



**A Type Catalog of Fossil Invertebrates  
(Cnidaria: Anthozoa)  
in the Yale Peabody Museum**

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**Abstract**

Type material for 182 nominal species of fossil anthozoans is in the Invertebrate Paleontology Collections of Yale University's Peabody Museum of Natural History.

Primary types for 77 nominal species include 64 holotypes, 74 syntypes (representing 11 nominal species), 1 lectotype and 2 neotypes. Secondary types for 39 nominal species include 124 paratypes (representing 38 nominal species) and 16 paralectotypes (representing 1 nominal species). Tertiary types of 114 nominal species include 488 hypotypes. Most types are from New York State, Ohio, Québec and Tennessee and have been described by T.W. Amsden, C.E. Beecher, E.J. Buehler, C.O. Dunbar, G.H. Girty, E.C. Stumm and W.H. Twenhofel.

**Key Words**

Type Catalog, Anthozoa, Yale Peabody Museum, New York State, Ohio, Québec, Tennessee, T.W. Amsden, C.E. Beecher, E.J. Buehler, C.O. Dunbar, G.H. Girty, E.C. Stumm, W.H. Twenhofel.

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**Introduction**

This catalog lists all known fossil anthozoan types in the Invertebrate Paleontology Collections housed in Yale University's Peabody Museum of Natural History. This is the twelfth in a series of type catalogs of fossil invertebrates and is a product of an ongoing computerization project to improve the accessibility of the type collections.

Forty-six type specimens are missing and cannot be located. The collections have been thoroughly searched by the curatorial staff in the 1960s and 1990s and it is believed that these specimens are permanently lost. Missing specimens are indicated with a footnote, and any information on their whereabouts would be greatly appreciated.

Many of the specimens described and listed by Twenhofel (1928) are cited as repositied at the Peabody Museum. Unfortunately, not all of these specimens are housed with the type collections; many are unmarked and still scattered among the general collections.

**Organization**

Specimens are listed under the originally described binomen; genera and species within genera are indexed alphabetically. Each entry includes the catalog number used by the Division of Invertebrate Paleontology prefixed with the abbreviation YPM and the type status of the original designation, followed by all known references to that specimen. Any subsequent designations are listed under the original designation and are cross-referenced in the

body of the text. Locality descriptions follow each entry or set of entries for each binomen. Errors and inconsistencies are footnoted at the bottom of each binomen.

The type designations used are holotype, syntype, and lectotype for name bearers; paratype and paralectotype for secondary types; hypotype is used for all tertiary types. Name bearers and secondary types are defined as used in the *International Code of Zoological Nomenclature* (ICZN 1985). Tertiary types or hypotypes are treated here as any described, figured or measured specimen used in a publication to augment the knowledge of a previously defined species, any specimens used in an original species description but not explicitly designated primary or secondary types, or any referenced specimen that cannot be placed unequivocally in a known species (e.g., *Chaetetes* sp.).

Locality descriptions follow each entry or set of entries with identical locality data. The locality information includes the stratigraphy, geography, collector and date. Stratigraphy has been standardized using *Stratigraphic Nomenclature Databases for the United States, its Possessions and Territories* (MacLachlan et al. 1992).

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## Catalog of Anthozoa

### ?*Astrocerium venustum* Hall

HYPOTYPE YPM 26297

Whitfield, R.P. 1883. *Am. J. Sci.* v.125, p.368.

Devonian, Bernardston Fm. Weathered surface of crystalline limestone blocks, quarried from W opening of 30 ft limestone bed, about 150 ft above mountain base, E slope of N portion of West Mountain on "Williams Farm," 0.75 mi N of the "New England House." Bernardston, Franklin Co., Massachusetts, USA.

### *Acanthocyclus porpitoides* Lang and Smith

HYPOTYPE YPM 27860

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.139.

Early Silurian, Wenlock, La Vieille Fm. Top of

sandstone series, 1.5 mi E of Gascons in RR cuts at most E end, Québec, Canada. Collector: Schuchert, C., 8/1923.

HYPOTYPE YPM 27861, 27862

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.139.

Early Silurian, Wenlock, La Vieille Fm. *Palaeocyclus porpita* zone, up from the 35 ft shale zone, just above the "La Vieille" sandstone, seashore cliffs at Anse à La Vieille [=Anse à Pierre-Loiselle], E of Gascons, Québec, Canada. Collector: Schuchert, C., 8/1923.

### *Acidolites clemvillensis* (Parks) See *Protarea clemvillensis* Parks.

### *Alveolites depressus* Parks

SYNTYPE YPM 13266

Parks, W.A. 1933. *Toronto Univ. Stud. Geol. Ser.* n.33, p.37.

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.152.

Silurian, Wenlock-Ludlow, Gascons Fm. Well up in series, RR cut just E of Chouinard Brook, Gascons, Québec, Canada. Collector: Schuchert, C., 8/1923.

### *Alveolites labechi* Milne-Edwards and Haime

HYPOTYPE YPM 37216

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.130.

Early Silurian, Wenlock, Chicotte Fm. Chicotte Cliff, lower beds, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

### *Amplexizaphrentis?* sp. C

HYPOTYPE YPM 22367

Ross, J.P. and C.A. Ross. 1963. *J. Paleont.* v.37, n.2, p.414, pl.50, f.3.

Pennsylvanian, Virgilian, Gaptank Fm. 5-15 ft below top of *Uddenites* shale, N side of outlying knob, W side of Geologist's Canyon, Wolf Camp Hills, Glass Mountains, Brewster Co., Texas, USA. Collector: Ross, C.A.

### *Amplexus brownsportensis* Amsden

HOLOTYPE YPM 17666

- Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.106, pl.27, f.8.
- = *Tryplasma brownsportensis*. Stumm, E.C. 1952. J. Paleont. v.26, n.5, p.842.
- = *Tryplasma prava* (Hall). HYPOTYPE. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.51.
- Late Silurian, Ludlow, Brownsport Fm. 40-56 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.
- HYPOTYPE YPM 17667
- Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.106, pl.27, f.9,10.
- = *Tryplasma brownsportensis*. Stumm, E.C. 1952. J. Paleont. v.26, n.5, p.842.<sup>a</sup>
- = *Tryplasma prava* (Hall). HYPOTYPE. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.51.
- Late Silurian, Ludlow, Brownsport Fm. 40-56 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.
- HYPOTYPE YPM 17668
- Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.106, pl.27, f.7.
- = *Tryplasma brownsportensis*. Stumm, E.C. 1952. J. Paleont. v.26, n.5, p.842.<sup>a</sup>
- = *Tryplasma prava* (Hall). HYPOTYPE. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.51.
- Late Silurian, Ludlow, Brownsport Fm. Float, 1-8 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.
- HYPOTYPE YPM 17669
- Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.106, pl.27, f.11.
- = *Tryplasma brownsportensis*. Stumm, E.C. 1952. J. Paleont. v.26, n.5, p.842.<sup>a</sup>
- = *Tryplasma prava* (Hall). HYPOTYPE. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.51.
- Late Silurian, Ludlow, Brownsport Fm. 38 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.
- HYPOTYPE YPM 17670
- Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.106, pl.27, f.12,13.
- = *Tryplasma brownsportensis*. Stumm, E.C. 1952. J. Paleont. v.26, n.5, p.842.<sup>a</sup>
- = *Tryplasma prava* (Hall). HYPOTYPE. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.51.
- Late Silurian, Ludlow, Brownsport Fm. 40-56 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.
- HYPOTYPE YPM 20129<sup>b</sup>
- Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.106.
- Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.
- <sup>a</sup>Incorrectly cited as paratype.
- <sup>b</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.
- Amplexus shumardi* (Milne-Edwards and Haime)**
- HYPOTYPE YPM 14863
- Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.140, pl.9, f.4.
- Silurian, Wenlock-Ludlow, Gascons Fm. Zone 9, 135 paces E of Service's dock, W end of shore section, 1 mi E of mouth of Little Cascapedia River, Black Cape, Québec, Canada. Collector: Northrop, S.A., 1927.
- HYPOTYPE YPM 20148<sup>a</sup>
- Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.107.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Amsdenoides acutiannulatus* (Amsden)**

See *Ditoecholasma acutiannulatum* Amsden.

***Anisophyllum agassizi* Milne-Edwards and Haime**

HYPOTYPE YPM 8238

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, tbl.1, ff.1(g-i), pl.5, f.2.<sup>a</sup>

Late Silurian, Ludlow, Brownsport Fm. 37-62 ft below Decatur-Brownsport contact, W bank of Tennessee River, 0.2 mi N of Bob's Landing, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W., 8/1946.

HYPOTYPE YPM 8239

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, tbl.1.<sup>a</sup>

Late Silurian, Ludlow, Brownsport Fm. 45 ft above Dixon-Brownsport contact, Blue Mound Glade, 0.2 mi N of road leading from Cedar Grove Church to Mt. Carmel Church, 0.8 mi NE of Cedar Grove Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 8240

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, tbl.1, ff.1(m), 2, pl.5, f.5.<sup>a</sup>

HYPOTYPE YPM 8241

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, ff.3(b,c), pl.5, f.7.<sup>a</sup>

Late Silurian, Ludlow, Brownsport Fm. Green shale at roadside, approx. 50-60 ft above poorly exposed Dixon-Brownsport contact, N side of TN Hwy 114, 2.25 mi SE of Bath Springs Church, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 8242

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, pl.5, f.3.<sup>a</sup>

HYPOTYPE YPM 8243

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, tbl.1, ff.1(k,l), pl.5, f.4.<sup>a</sup>

Late Silurian, Ludlow, Brownsport Fm. 45-50 ft above Dixon-Brownsport contact, Blue Mound Glade, 0.2 mi N of road leading from Cedar Grove Church to Mt. Carmel Church, 0.8 mi NE of Cedar Grove Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 8244

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, tbl.1, ff.1(a-f), pl.5, f.6.<sup>a</sup>

HYPOTYPE YPM 8245

Ilijina, T.G. 1978. Paleont. Zhur. n.3, p.32, tbl.1, ff.1(j), 3(a).<sup>a</sup>

Late Silurian, Ludlow, Brownsport Fm. 37-62 ft below Decatur-Brownsport contact, W bank of Tennessee River, 0.2 mi N of Bob's Landing, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W., 8/1946.

HYPOTYPE YPM 17676

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104, pl.25, f.19.

HYPOTYPE YPM 17677

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104, pl.25, f.18.<sup>b</sup>

HYPOTYPE YPM 17678

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104, pl.25, f.17.

HYPOTYPE YPM 17679

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104, pl.25, f.20.<sup>c</sup>

Late Silurian, Ludlow, Brownsport Fm. 45 ft above Dixon-Brownsport contact, Blue Mound Glade, 0.2 mi N of road leading from Cedar Grove Church to Mt. Carmel Church, 0.8 mi NE of Cedar Grove Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20149<sup>d</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>In the English translation, Paleontological Journal, v.12, n.1, pp.312-319, Peabody catalog numbers are incorrectly prefixed URM instead of YPM.

<sup>b</sup>Not pl.25, f.20.

<sup>c</sup>Incorrectly cited as YPM 17677 in the explanation for pl.25, f.20.

<sup>d</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Arachnophyllum cf. mamillare* (Owen)**

See *Strombodes cf. diffluens* Milne-Edwards and Haime.

***Arachnophyllum pentagonum* (Goldfuss)**

HYPOTYPE YPM 17658

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104, pl.26, f.1.

HYPOTYPE YPM 17659

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104, pl.26, f.2,4.

HYPOTYPE YPM 17660

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104, pl.26, f.3,5,6.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20150<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.104.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Arcturia* sp.**

HYPOTYPE YPM 17299A

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.6, pl.1, f.2.

HYPOTYPE YPM 17299B<sup>a</sup>

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.6.

Late Ordovician. Float, Read Island, Northwest Territories, Canada. Collector: Cloud, P.E., 1939.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Aulocystis dichotoma* (Grabau)**

See *Ceratopora dichotoma* Grabau.

***Aulocystis distorta* (Grabau)**

See *Ceratopora distorta* Grabau.

***Aulopora ellisensis* Twenhofel**

HOLOTYPE YPM 20501

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.124, pl.2, f.14.

Young, G.A. and R.J. Elias. 1995. Bull. Am. Paleont. v.108, n.347, p.98.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 4. W side of Ellis Bay, Québec, Canada. Collector: Twenhofel, W.H.

***Aulopora precia* Hall**

HYPOTYPE YPM 14867

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.156, pl.11, f.7.

Silurian, Llandovery, Anse Cascon Fm. Roadcut just SE of Peabody Locality B0977, Range III, McPherson Road, Marcil, Québec, Canada. Collector: Northrop, S.A., 1927.

***Aulopora cf. precia* Hall**

HYPOTYPE YPM 37220

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.123.

Early Silurian, Llandovery, Jupiter Fm, Jupiter zone 10. Jumpers, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

***Bighornia cf. B. patella* (Wilson)**

HYPOTYPE YPM 28769

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.80, tf.41(f), pl.15, f.1-6.

HYPOTYPE YPM 28770

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.80, pl.15, f.7-11.

Late Ordovician, Vaureal Fm, Vaureal Lower Mbr.  
Girard Harbor, Anticosti Island, Québec, Canada.  
Collector: Twenhofel, W.H., 1919.

HYPOTYPE YPM 28771

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.80, tf.41(f').

Ordovician. Anticosti Island, Québec, Canada.  
Collector: Twenhofel, W.H.

***Bodophyllum englishheadense* Elias**

HOLOTYPE YPM 28764

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.79, pl.14, f.10-13.

Late Ordovician, Vaureal Fm, Vaureal Upper Mbr,  
English Head Facies. English Bay, B2-3, Anticosti  
Island, Québec, Canada. Collector: Schuchert, C.  
and Twenhofel, W.H.

PARATYPE YPM 28765

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.79.

PARATYPE YPM 28766

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.79, pl.14, f.14-16.

Late Ordovician, Vaureal Fm, Vaureal Upper Mbr,  
English Head Facies. English Head, Anticosti  
Island, Québec, Canada. Collector: Schuchert, C.  
and Twenhofel, W.H.

PARATYPE YPM 28767, 28768

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.79.

Late Ordovician, Vaureal Fm, Vaureal Upper Mbr,  
English Head Facies. White Cliff, N, Anticosti  
Island, Québec, Canada. Collector: Twenhofel, W.H.

***Bodophyllum?* sp.**

HYPOTYPE YPM 28763

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.78, pl.14, f.7-9.

Late Ordovician, Richmondian, White Head Fm.  
*Stenopareia* faunal zone of Lesperance (1968),  
Grande Coupe, 2.4 km N of Percé, Québec,  
Canada. Collector: Cooper, G.A., 8/1929.

***Calapoecia canadensis* Billings**

HYPOTYPE YPM 17345

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4.

Late Ordovician. Cloud's loc. 8, NW side of E central  
promontory, Sutton Island, Canada. Collector:  
Cloud, P.E., 8/9/1939.

HYPOTYPE YPM 17348A

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4, pl.1, f.1.

HYPOTYPE YPM 17348B

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4.

Late Ordovician. Cloud's loc. 9a, N side of E central  
promontory at and up to 15 ft above tide, Sutton  
Island, Canada. Collector: Cloud, P.E., 8/9/1939.

***Calostylis denticulata* (Kjerulf)**

HYPOTYPE YPM 26360

Robinson, W.I. 1917. Trans. Conn. Acad.  
Arts Sci. v.21, art.2, p.176, pl.1, f.5,5a.

HYPOTYPE YPM 26361

Robinson, W.I. 1917. Trans. Conn. Acad.  
Arts Sci. v.21, art.2, p.176, pl.1, f.6.

Late Silurian. Visby, Gotland, Gotland Province,  
Sweden. Collector: Lindström, G.

***Catenipora* cf. *C. escharoides* Lamarck**

HYPOTYPE YPM 19226

Buehler, E.J. 1955. Bull. Peabody Mus. Nat.  
Hist. n.8, pl.11, f.5.

Silurian. Visby, Snackviken, Gotland, Gotland  
Province, Sweden. Collector: Stoyanow, A.A., 1927.

***Catenipora gracilis* (Hall)**

HYPOTYPE YPM 19238

Buehler, E.J. 1955. Bull. Peabody Mus. Nat.  
Hist. n.8, p.36, pl.4, f.7, pl.5, f.1.

Late Ordovician, Red River Fm, Selkirk Mbr.  
Manitoba, Canada. Collector: Leith, E.I.

***Catenipora microporus* (Whitfield)**

HYPOTYPE YPM 18668<sup>a</sup>

Buehler, E.J. 1955. Bull. Peabody Mus. Nat.  
Hist. n.8, p.44.

=*Catenipora micropora*. Young, G.A. and J.P.A.  
Noble. 1987b. J. Paleont. v.61, n.6, p.1131.

**HYPOTYPE** YPM 18668A

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.44, pl.6, f.5.<sup>b</sup>

=*Catenipora micropora*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1131.<sup>b</sup>

**HYPOTYPE** YPM 18668B

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.44, pl.12, f.5.<sup>b</sup>

=*Catenipora micropora*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1131.<sup>b</sup>

Silurian, Louisville Ls. Beargrass Quarry, near Louisville, Jefferson Co., Kentucky, USA.

**HYPOTYPE** YPM 19234

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.44, pl.6, f.1.

=*Catenipora micropora*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1131.

Silurian, Niagara Grp, Louisville Ls. Louisville, Jefferson Co., Kentucky, USA.

**HYPOTYPE** YPM 19235

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.44, pl.6, f.2,3.

=*Catenipora micropora*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1131.

Silurian, Fossil Hill Fm. Manitoulin Island, Manitoulin Co., Ontario, Canada. Collector: Buehler, E.J.

**HYPOTYPE** YPM 19236

=*Catenipora micropora*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1131.

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.44, pl.6, f.4.

Early Silurian, Llandovery, Jupiter Fm. East Jupiter Cliff, E8, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

<sup>a</sup>This is a lot of 5 specimens.

<sup>b</sup>Cited as YPM 18668.

### ***Catenipora simplex* (Lambe)**

**NEOTYPE** YPM 19233

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.47, pl.7, f.6.

Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1129.

Early Silurian, Wenlock, La Vieille Fm. Near the top of the limestone, ridge W of Port Daniel RR station, which extends from Clemville N to Barrachois, Québec, Canada. Collector: Schuchert, C., 8/1923.

**HYPOTYPE** YPM 19230

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.47, pl.8, f.1.

Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1129, f.5-2.

Early Silurian, Wenlock, La Vieille Fm. 0.5 mi E of Gascons, Québec, Canada.

### ***Ceratopora dichotoma* Grabau**

**SYNTYPE** YPM 5651

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.418.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. **PARALECTOTYPE**.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

Middle Devonian, Hamilton Grp. Soft shales, Eighteen Mile Creek, Erie Co., New York, USA. Collector: Grabau, A.W.

**SYNTYPE** YPM 5741

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.3, f.14.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62, f.14.

=*Aulocystis dichotoma*. **PARALECTOTYPE**.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

**SYNTYPE** YPM 5742<sup>a</sup>

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.418.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. **PARALECTOTYPE**.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30663

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.3, f.15.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62, f.15.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30664

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.3, f.16.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62, f.16.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30665

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.2.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. LECTOTYPE. Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800, pl.109, f.14.<sup>b</sup>

SYNTYPE YPM 30666

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.3.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30667

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.4.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30668

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.5.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30669

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.6.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30670

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.7.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30671

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.8.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30672

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.11.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30673

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.12.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30674

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.414, pl.4, f.13.



Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30675

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.414, pl.4, f.14.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30676

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.414, pl.4, f.15.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30677

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.414, pl.4, f.16.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30678

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.414, pl.4, f.17,18.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 62.

=*Aulocystis dichotoma*. PARALECTOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

Middle Devonian, Hamilton Grp. Canandaigua  
Lake, New York, USA. Collector: Beecher, C.E.

<sup>a</sup>This is a lot of 57 specimens.

<sup>b</sup>Cited as YPM 5741.

### ***Ceratopora distorta* Grabau**

SYNTYPE YPM 5743<sup>a</sup>

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.416.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 66.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5,  
p.800, pl.109, f.15.<sup>b</sup>

SYNTYPE YPM 30679

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.416, pl.3, f.1.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 66, f.1.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30680

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.416, pl.3, f.2.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 66, f.2.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30681

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.416, pl.3, f.3.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 66, f.3.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30682

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.416, pl.3, f.4.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 66, f.4.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30683

Grabau, A.W. 1899. Proc. Boston Soc. Nat.  
Hist. v.28, n.16, p.416, pl.3, f.5.

Stumm, E.C., C.L. Fenton and M.A. Fenton.  
1947. Wagner Free Inst. Sci. Card 66, f.5.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.

Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30684

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.416, pl.3, f.6.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 66, f.6.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30685

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.416, pl.3, f.7.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 66, f.7.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30686

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.416, pl.3, f.8,11.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 66, f.8,11.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30687

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.416, pl.3, f.9,10.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 66, f.9,10.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30688

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.416, pl.3, f.12.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 66, f.12.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30689

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.416, pl.3, f.13.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 66, f.13.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

SYNTYPE YPM 30691, 30692

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.416.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 66.

=*Aulocystis dichotoma* (Grabau). HYPOTYPE.  
Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.800.

Middle Devonian, Hamilton Grp. Canandaigua Lake, New York, USA. Collector: Beecher, C.E.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

<sup>b</sup>Incorrectly cited as the lectotype of *Aulopora distorta* in the explanation for pl.109, f.15.

### ***Ceratopora jacksoni* Grabau**

HYPOTYPE YPM 5654, 30658, 30659

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.415.

=*Aulocystis jacksoni*. Watkins, J.L. 1959. J. Paleont. v.33, n.5, p.796.<sup>a</sup>

=*Aulocystis jacksoni*. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.82.<sup>a</sup>

Middle Devonian, Hamilton Grp. Canandaigua Lake, New York, USA. Collector: Beecher, C.E.

<sup>a</sup>YPM 5654 cited as paratype.

### ***Chaetetes* sp.**

HYPOTYPE YPM 75994<sup>a</sup>

Pannella, Giorgio. 1972. Astro. Sp. Sci. v.16, tbl.1.

Ordovician. No locality information available.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

### ***Chonophyllum canadense* Lambe**

HYPOTYPE YPM 6240<sup>a</sup>

Twenhofel, W.H. 1926. Nat. Hist. v.26, n.5, p.519.

Early Silurian, Wenlock, Chicotte Fm. Jumpers, Anticosti Island, Québec, Canada.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Cladopora? brownsportensis* Amsden**

HOLOTYPE YPM 17651

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.91, pl.19, f.1,4,6.

HYPOTYPE YPM 17652

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.91, pl.19, f.2,3,5.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Cladopora clarkei* Girty**SYNTYPE YPM 5630A, 5630B, 5630D<sup>a</sup>

Girty, G.H. 1895a. 14th Ann. Rpt. N.Y. St. Geol., 1894, p.306.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1949. Wagner Free Inst. Sci. Card 153.

SYNTYPE YPM 5630C

Girty, G.H. 1895a. 14th Ann. Rpt. N.Y. St. Geol., 1894, p.306, pl.5, f.1.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1949. Wagner Free Inst. Sci. Card 153, f.1.

Early Devonian, Helderberg Grp. Lower Helderberg, Indian Ladder [Thatcher State Park], Albany Co., New York, USA. Collector: Beecher, C.E.

<sup>a</sup>YPM 5630D consists of 10 pieces representing an indeterminate number of individuals.***Cladopora halli* Girty**

SYNTYPE YPM 5708A

Girty, G.H. 1895a. 14th Ann. Rpt. N.Y. St. Geol., 1894, p.306, pl.5, f.2.

SYNTYPE YPM 5708B-5708D

Girty, G.H. 1895a. 14th Ann. Rpt. N.Y. St. Geol., 1894, p.306.

Early Devonian, Helderberg Grp. Lower Helderberg, Clarksville, Albany Co., New York, USA. Collector: Beecher, C.E.

***Cladopora? reticulata* Hall**

HYPOTYPE YPM 17649

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.92, pl.18, f.4,5,8.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Coenites labrosus* Hinde**

HYPOTYPE YPM 25622

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.256, pl.27, f.16.

Silurian, Pike Arm Fm. Coral zone, Burnt Island in Goldson Arm, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HYPOTYPE YPM 37219

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.131.<sup>a</sup>

Early Silurian, Wenlock, Chicotte Fm. Jumpers 2, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

<sup>a</sup>Author of taxon in Twenhofel (1928) is Milne-Edwards and Haime.***Coenites verticillatus* (Winchell and Marcy)**

HYPOTYPE YPM 17650

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.93, pl.20, f.3-5.

Late Silurian, Ludlow, Brownsport Fm. 0-55 ft above Dixon-Brownsport contact, SW side of Beech Grove School Road, 0.5 mi SE of Beech Grove School, Clifton 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21271<sup>a</sup>Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.93.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.***Columnaria alveolata* Goldfuss**

HYPOTYPE YPM 37214

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.122.

Late Ordovician, Vaureal Fm, Vaureal zone 4. Ste. Claire Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

***Columnaria(?) (Palaeophyllum) vaurealensis* Twenhofel**

HOLOTYPE YPM 20495

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.122, pl.4, f.1.

=*Palaeophyllum vaurealensis*. Bolton, T.E. 1979, Cur. Res., Pt. B, Geol. Surv. Can. n.79-1B, p.7, pl.1.3, f.7.8.<sup>a</sup>

=*Palaeophyllum vaurealense*. Young, G.A. and R.J. Elias. 1995. Bull. Am. Paleont. v.108, n.347, p.102.

Ordovician, Vaureal Fm, Vaureal zone 10. Vaureal River section, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 7845

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.122.

=*Palaeophyllum vaurealensis*. Bolton, T.E. 1979, Cur. Res., Pt. B, Geol. Surv. Can. n.79-1B, p.7, pl.1.3, f.4.9.<sup>b</sup>

=*Palaeophyllum vaurealense*. Young, G.A. and R.J. Elias. 1995. Bull. Am. Paleont. v.108, n.347, p.102.

Late Ordovician, Vaureal Fm, Vaureal zone 12. MacDonald River section, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

<sup>a</sup>Discrepancy in locality: cited as Vaureal zone 6.

<sup>b</sup>Incorrectly cited as paratype.

***Cosmolithus sewellensis* Amsden**

HOLOTYPE YPM 17600

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.84, pl.13, f.7.

HYPOTYPE YPM 17601

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.84, pl.13, f.8.

HYPOTYPE YPM 17602

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.84, pl.13, f.6,9.

HYPOTYPE YPM 17603

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.84, pl.13, f.5.

HYPOTYPE YPM 17604

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.84.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Cyathophyllum angulare* Amsden**

HOLOTYPE YPM 17680

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.109, pl.28, f.9,12,15.

HYPOTYPE YPM 17681

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.109, pl.28, f.10,13,14.

HYPOTYPE YPM 17682

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.109, pl.28, f.11.

Late Silurian, Ludlow, Brownsport Fm. 40-56 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20130<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.109.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Cyathophyllum articulatum* (Wahlenberg)**

HYPOTYPE YPM 25602

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.250, pl.27, f.14.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HOLOTYPE YPM 25603

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.250, pl.27, f.11.

HOLOTYPE YPM 25604

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.250, pl.27, f.15.

Silurian, Pike Arm Fm. Inner coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HOLOTYPE YPM 37217

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.118.

Early Silurian, Wenlock, Chicotte Fm. Chicotte Cliff, lower beds, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

***Cyathophyllum cliftonense* Amsden**

HOLOTYPE YPM 17683

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.108, pl.28, f.2,5,8.

HOLOTYPE YPM 17684

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.108, pl.28, f.1,6,7.

HOLOTYPE YPM 17685

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.108, pl.28, f.4.

HOLOTYPE YPM 17686

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.108, pl.28, f.3.

HOLOTYPE YPM 17687, 17688

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.108.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone

(Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Cyathophyllum cormorantense* Twenhofel**

HOLOTYPE YPM 10405

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.118, pl.3, f.2.

Early Silurian, Llandoverly, Jupiter Fm, Jupiter zone 5. Cormorant Point, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

***Cyathophyllum ellisense* Twenhofel**

HOLOTYPE YPM 10388A

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.119, pl.2, f.10.<sup>a</sup>

=*Paliphyllum ellisense*. Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.

PARATYPE YPM 10388B<sup>b</sup>

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.119, pl.2, f.11.<sup>a</sup>

=*Paliphyllum ellisense*. Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.<sup>c</sup>

HOLOTYPE YPM 10263

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.119, pl.2, f.13.<sup>a</sup>

=*Paliphyllum ellisense*. Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82, pl.15, f.21,22s.<sup>d</sup>

HOLOTYPE YPM 38304<sup>b</sup>

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.119, pl.2, f.12.<sup>a</sup>

=*Paliphyllum ellisense*. Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 9. Ellis Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

<sup>a</sup>The plate explanation cites Ellis Bay zone 8 as the locality for this specimen. However, the species description and the Table of Geological Range on p.84 report this species only in Ellis Bay zones 4, 7 and 9.

<sup>b</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

<sup>c</sup>Not pl.15, f.21,22s.

<sup>d</sup>Incorrectly cited as YPM 10388B.

***Cyathophyllum pergramense* (Foerste)**

HYPOTYPE YPM 17856

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.110, pl.34, f.5.

HYPOTYPE YPM 17857

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.110, pl.34, f.6.

HYPOTYPE YPM 17858

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.110, pl.34, f.7.

HYPOTYPE YPM 17859

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.110, pl.34, f.11,12.

Late Silurian, Ludlow, Brownsport Fm. Dixon-Brownsport-Decatur contacts not exposed, probably in the upper 30 ft of the Brownsport, E side of road from Pope to Clifton, 1.4 mi S of Hall School, Pope 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W., 8/1946.

***Cystihalysites encrustans* (Buehler)**

See *Halysites encrustans* Buehler.

***Cystiphyllum lineatum?* Davis**

HYPOTYPE YPM 17701

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.112, pl.29, f.9.

HYPOTYPE YPM 17702

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.112, pl.29, f.10.

HYPOTYPE YPM 17703

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.112, pl.29, f.6,11.

HYPOTYPE YPM 17704

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.112, pl.29, f.7.

HYPOTYPE YPM 17705

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.112, pl.29, f.8.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Cystiphyllum niagareense* Hall**

HYPOTYPE YPM 37221

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.123.

Early Silurian, Llandoverly, Jupiter Fm. East Cliff, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

***Cystiphyllum pikense* Shrock and Twenhofel**

HOLOTYPE YPM 25606

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.251, pl.27, f.17,18.

PARATYPE YPM 25605

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.251, pl.27, f.6.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Deiracorallium angulatum* (Billings)**

HYPOTYPE YPM 28717-28720

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.64.

Late Ordovician, Vaureal Fm, Vaureal Upper Mbr. Vaureal River section zone 8, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

***Dendropora? cumula* Amsden**

HOLOTYPE YPM 17636

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.95, pl.20, f.1,2.

HYPOTYPE YPM 17637

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.95.

Late Silurian, Ludlow, Brownsport Fm. 38-40 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Dibunophyllum hessensis* Ross and Ross**

PARATYPE YPM 21775

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, tf.4L, pl.162, f.12.

PARATYPE YPM 21808, 21809

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175.

Early Permian, Wolfcampian, Lenoxhills Fm. Biohermal limestone, 0.4 mi S60W of Hill 5159 at elevation 4600 ft, and 1200 ft S30W of Section 3, which is measured up the lower portion of Dugout Mountain, due S of main peak, and about 0.33 mi SW of Sec. 26, Brewster Co., Texas, USA. Collector: Ross, C.A.

***Dibunophyllum moorei* Jeffords**

HYPOTYPE YPM 21755

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, pl.162, f.1.

HYPOTYPE YPM 21756

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, pl.162, f.5.

HYPOTYPE YPM 21757

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, tf.4N, pl.162, f.6,7,9,14.<sup>a</sup>

HYPOTYPE YPM 21758

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, pl.162, f.8.

HYPOTYPE YPM 21759

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, pl.162, f.4.

HYPOTYPE YPM 21760

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, pl.162, f.10.

HYPOTYPE YPM 21761

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, pl.162, f.11.

HYPOTYPE YPM 21762

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175, pl.162, f.13.

HYPOTYPE YPM 21763-21774

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1175.

Pennsylvanian, Gaptank Fm. Unit 4 (4 ft thick), Section 12, knoll at the base of SW face of Leonard Mountain, and SSW of BM 5860, Brewster Co., Texas, USA. Collector: Ross, C.A.

<sup>a</sup>The description of f.7 is omitted from the explanation for pl.162; it should read: "7, transverse section in proximal part of corallite, YPM 21757, ×4."

***Dibunophyllum* sp. A**

HYPOTYPE YPM 21776

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1176, tf.4M, pl.162, f.2,3,15.

Pennsylvanian, Desmoinesian, Gaptank Fm. Upper limestone and shale along old roadcut, 1.3 mi SW of Gap Tank, Glass Mountains, Pecos Co., Texas, USA. Collector: Ross, C.A.

***Dictyostroma?* orientale Parks**

HOLOTYPE YPM 13290

Parks, W.A. 1933. Toronto Univ. Stud. Geol. Ser. n.33, p.15, pl.3, f.5.

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.134.

Late Silurian, Ludlow, Bouleaux Fm. Upper Bouleaux, upper 300 ft of sandy shales of Black Cape section, Québec, Canada. Collector: Schuchert, C.

***Ditoecholasma acutiannulatum* Amsden**

HOLOTYPE YPM 17665

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.102, pl.25, f.8-10.

=*Amsdenoides acutiannulatus*. Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.19, tbl.(p.85), pl.7, f.1a-c.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-

Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21272<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.102.

=*Amsdenoides acutiannulatus*. Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.19.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Ditoecholasma fanninganum* (Safford)**

HYPOTYPE YPM 17661

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.102, pl.25, f.3.

Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.37, app.2(p.88).

Late Silurian, Ludlow, Brownsport Fm. 38-40 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17662

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.102, pl.25, f.2,4,5.

Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.37, app.2(p.88).

Late Silurian, Ludlow, Brownsport Fm. 8-23 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17663

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.102, pl.25, f.1.

Late Silurian, Ludlow, Brownsport Fm. 13-18 ft above road (Dixon-Brownsport-Decatur contacts not exposed), N side of US Hwy 64, 1.7 mi SE of junction of road leading S to Beckman Branch, Eagle

Creek 7.5 Quad., Harding Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17664

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.102, pl.25, f.6,7.

Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.37, app.2(p.88).

Late Silurian, Ludlow, Brownsport Fm. 38-40 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 27838, 27840, 27841

Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, app.2(p.88).

Late Silurian, Ludlow, Brownsport Fm. Float, 13-36 ft above Dixon-Brownsport contact, E side of road leading from Perryville to Decaturville, 1.2 mi S of Perryville, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W., 9/1946.

HYPOTYPE YPM 27839

Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, app.2(p.89).

Late Silurian, Ludlow, Brownsport Fm. 38-58 ft above Dixon-Brownsport contact, E side of road leading from Perryville to Decaturville, 1.2 mi S of Perryville, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W., 8/1946.

HYPOTYPE YPM 27842, 27843

Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, app.2(p.89).

Late Silurian, Ludlow, Brownsport Fm. 12-46 ft above Dixon-Brownsport contact, SW side of Road leading E from Webbs Landing, 0.7 mi SE of Webbs Landing, Perryville 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W., 9/1946.

HYPOTYPE YPM 27844

Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, app.2(p.89).

Late Silurian, Ludlow, Brownsport Fm. 73-95 ft above Dixon-Brownsport contact, E side of road leading from Perryville to Decaturville, 1.2 mi S of Perryville, Perryville 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W., 9/1946.



***Emmonsia? conradi* (Girty)**

See *Favosites conradi* Girty.

***Emmonsia planobasalis* Amsden**

HOLOTYPE YPM 17631

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.101, pl.24, f.1-4,6,8.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17632

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.101, pl.24, f.5,7.

Late Silurian, Ludlow, Brownsport Fm. 8-23 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20131, 20132<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.101.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate these two specimens. They are believed to be permanently lost.

***Enterolasma rugosum* (Smith)**

HYPOTYPE YPM 17698

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.105, pl.27, f.1.

HYPOTYPE YPM 17699

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.105, pl.27, f.2,4,5.

HYPOTYPE YPM 17700

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.105, pl.27, f.3,6.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone

(Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21273<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.105.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Enterolasma waynense* (Safford)**

HYPOTYPE YPM 17671

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.103, pl.25, f.15.

=*Enterolasma* cf. *E. waynense*. Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.22, app.2(p.86).

Late Silurian, Ludlow, Brownsport Fm. 77 ft above Dixon-Brownsport contact, on road leading to Bob's Landing, 0.9 mi W of Bob's Landing, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17672

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.103, pl.25, f.13.

=*Enterolasma* cf. *E. waynense*. Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.22, app.2(p.86).

HYPOTYPE YPM 17673

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.103, pl.25, f.14,16.

=*Enterolasma* cf. *E. waynense*. Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.22, app.2(p.86).

HYPOTYPE YPM 17674

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.103, pl.25, f.12.

=*Enterolasma* cf. *E. waynense*. Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.22.

HYPOTYPE YPM 17675

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.103, pl.25, f.11.

=*Enterolasma* cf. *E. wayense*. Sutherland, P.K. 1965. Okla. Geol. Surv. Bull. n.109, p.22.

Late Silurian, Ludlow, Brownsport Fm. 8-23 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Enterolasma* cf. *E. wayense* (Safford)**

See *Enterolasma wayense* (Safford).

***Favosites beechensis* Amsden**

HOLOTYPE YPM 17624

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.89, pl.17, f.5-7,10.

Late Silurian, Ludlow, Brownsport Fm. 7-27 ft below Brownsport-Decatur contact, 30-50 ft above Sewell Spring, 0.6 mi N of Whiteoak School, Clifton 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17625

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.89, pl.17, f.8,9.

Late Silurian, Ludlow, Brownsport Fm. 45-50 ft above Dixon-Brownsport contact, Blue Mound Glade, 0.2 mi N of road leading from Cedar Grove Church to Mt. Carmel Church, 0.8 mi NE of Cedar Grove Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20133<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.89.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Favosites billingsi* Rominger**

HYPOTYPE YPM 7058

Dunbar, C.O. 1927. Am. J. Sci. v.213, p.108, tf.8.

Middle Devonian, Hamilton Grp, Hamilton coral zone. Coral zone, near Arkona, Ontario, Canada. Collector: Schuchert, C.

***Favosites brownsportensis* Amsden**

HOLOTYPE YPM 17616

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.87, pl.16, f.3.

Late Silurian, Ludlow, Brownsport Fm. 25-45 ft above road (Dixon-Brownsport contact not exposed), E side of TN Hwy 114, 2.25 mi S of Clifton, Eagle Creek 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17617

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.87, pl.16, f.1,2.

Late Silurian, Ludlow, Brownsport Fm. On a slope 15-20 ft above road, 5-10 ft below Brownsport-Decatur contact, Sewell's Spring, on E side of Whiteoak School Road, 0.4 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Favosites clausus* Rominger**

HYPOTYPE YPM 7823A

Dunbar, C.O. 1927. Am. J. Sci. v.213, p.109, tf.7.

Middle Devonian, Hamilton Grp, Hamilton coral zone. Coral zone, Hungry Hollow, near Arkona, Ontario, Canada. Collector: Schuchert, C.

***Favosites clavatulus* Amsden**

HOLOTYPE YPM 17626

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88, pl.16, f.4,9.

HYPOTYPE YPM 17627

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88, pl.16, f.6.

Late Silurian, Ludlow, Brownsport Fm. 38 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17628

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88, pl.16, f.5,7.

HYPOTYPE YPM 20073

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88, pl.16, f.8.<sup>a</sup>

Late Silurian, Ludlow, Brownsport Fm. 45 ft above Dixon-Brownsport contact, Blue Mound Glade, 0.2 mi N of road leading from Cedar Grove Church to Mt. Carmel Church, 0.8 mi NE of Cedar Grove Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20134<sup>b</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>Cited as YPM 17627.

<sup>b</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

### ***Favosites conicus* Hall**

HYPOTYPE YPM 5709A–5709Q, 5711

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.137.

Early Devonian, Helderberg Grp. Lower Helderberg, Clarksville, Albany Co., New York, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 5710A

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.137, pl.8, f.17.

HYPOTYPE YPM 5710B

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.137, pl.8, f.18.

Early Devonian, Waldron, Shelby Co., Indiana, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 42986<sup>a</sup>

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.137, pl.8, f.19.

Lower Devonian, Helderberg Grp, *Delthyris* Limestone. Lower Helderberg Grp, Albany. New York, USA. Collector: Beecher, C.E.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

### ***Favosites conradi* Girty**

SYNTYPE YPM 5723

Girty, G.H. 1895a. 14th Ann. Rpt. N.Y. St. Geol., 1894, p.304, pl.5, f.3-6.<sup>a</sup>

=*Emmonsia? conradi*. Stumm, E.C., C.L. Fenton and M.A. Fenton. 1949. Wagner Free Inst. Sci. Card 193, f.3-6.

Early Devonian, Helderberg Grp. Lower Helderberg, Indian Ladder [Thatcher State Park], Albany Co., New York, USA. Collector: Beecher, C.E.

<sup>a</sup>YPM 5723 consists of 10 pieces representing an indeterminate number of individuals.

### ***Favosites discoideus* (Roemer)**

HYPOTYPE YPM 17629

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.90, pl.18, f.6,7.

HYPOTYPE YPM 17630

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.90, pl.18, f.9.

Late Silurian, Ludlow, Brownsport Fm. 18-20 ft above road (Dixon-Brownsport-Decatur contacts not exposed), N side of US Hwy 64, 1.7 mi SE of junction with road leading S to Beckman Branch, Eagle Creek 7.5 Quad., Hardin Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17855

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.90, pl.34, f.13,15.

Late Silurian, Ludlow, Brownsport Fm. Dixon-Brownsport-Decatur contacts not exposed, probably in the upper 30 ft of the Brownsport, E side of road from Pope to Clifton, 1.4 mi S of Hall School, Pope 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W., 8/1946.

HYPOTYPE YPM 21274<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.90.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Favosites epidermatus?* Rominger**

HYPOTYPE YPM 5712

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.211, pl.13, f.3,4.

Middle Devonian, Onondaga Limestone. Cherry Valley, Otsego Co., New York, USA.

***Favosites favosus* (Goldfuss)**

HYPOTYPE YPM 25616

Shrock, R.R. and W.H. Twenhöfel. 1939. J. Paleont. v.13, n.3, p.254, pl.28, f.3,4.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhöfel, W.H., 1936.

***Favosites foerstei* Dunbar<sup>a</sup>**

HOLOTYPE YPM 7154

Dunbar, C.O. 1918. Am. J. Sci. v.196, p.743.

Dunbar, C.O. 1919. Bull. Tenn. Geol. Surv. n.21, tbl.(p.51), pl.1, f.8,9.

Dunbar, C.O. 1920. Trans. Conn. Acad. Arts Sci. v.23, p.117, pl.1, f.3,4.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1949. Wagner Free Inst. Sci. Card 255, f.3,4.

Early Devonian, Linden Grp, Birdsong Shale. Large glade exposure 4 mi N of Holladay, Benton Co., Tennessee, USA. Collector: Dunbar, C.O., 1916.

HYPOTYPE YPM 9708

Dunbar, C.O. 1918. Am. J. Sci. v.196, p.743.

Dunbar, C.O. 1919. Bull. Tenn. Geol. Surv. n.21, tbl.(p.51).

Dunbar, C.O. 1920. Trans. Conn. Acad. Arts Sci. v.23, p.117.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1949. Wagner Free Inst. Sci. Card 255.

Early Devonian, Linden Grp, Birdsong Shale. Loose material from the slope of the Birdsong, Allen's mill locality on Birdsong Creek, N of Holladay, Benton Co., Tennessee, USA. Collector: Dunbar, C.O., 1916.

<sup>a</sup>*Favosites foerstei* is a nomen nudum. Dunbar (1918) uses the manuscript name for his faunal list but does not describe the taxon until later (Dunbar 1920).

***Favosites forbesi* (Edwards and Haime)**

HYPOTYPE YPM 7825

Dunbar, C.O. 1927. Am. J. Sci. v.213, p.107, tf.5,6.

HYPOTYPE YPM 7825A

Dunbar, C.O. 1927. Am. J. Sci. v.213, p.107.

Silurian, Waldron Shale. Waldron, Shelby Co., Indiana, USA. Collector: Dunbar, C.O.

HYPOTYPE YPM 25620, 25621

Shrock, R.R. and W.H. Twenhöfel. 1939. J. Paleont. v.13, n.3, p.254.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhöfel, W.H., 1936.

***Favosites forbesi* var. *occidentalis* Hall**

HYPOTYPE YPM 5714

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.135, pl.7, f.22.

HYPOTYPE YPM 5715

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.135, pl.8, f.25.

HYPOTYPE YPM 5716

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.135, pl.7, f.13,14.

HYPOTYPE YPM 5717

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.135, pl.7, f.26.

HYPOTYPE YPM 5718

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.135, pl.7, f.11.

HYPOTYPE YPM 5719

Girty, G.H. 1895b. Am. Geol. v.15, n.3, p.135, pl.7, f.7.

HYPOTYPE YPM 5721A

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.24,25.

HYPOTYPE YPM 5721B

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.8, f.23.

HYPOTYPE YPM 5721C

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.23.

HYPOTYPE YPM 5721D

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.8, f.24.

HYPOTYPE YPM 5730

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.3-5.

HYPOTYPE YPM 5731

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.9.

HYPOTYPE YPM 5732

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.21.

HYPOTYPE YPM 5733

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.6.

HYPOTYPE YPM 5734

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.8.

HYPOTYPE YPM 5735

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.17-19.

HYPOTYPE YPM 5736

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.16.

HYPOTYPE YPM 5737A

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.135, pl.7, f.1,2.

HYPOTYPE YPM 5737B

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.136.

Early Devonian. Waldron, Shelby Co., Indiana, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 42984<sup>a</sup>

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, pl.7, f.12.

HYPOTYPE YPM 42985<sup>a</sup>

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, pl.7, f.15.

Silurian. Waldron, Shelby Co., Indiana, USA.  
Collector: Beecher, C.E.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Favosites gothlandicus* Lamarck**

HYPOTYPE YPM 25615

Shrock, R.R. and W.H. Twenhofel. 1939. *J. Paleont.* v.13, n.3, p.254, pl.27, f.5,12.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Favosites halysitoides* Northrop**

HOLOTYPE YPM 13364

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.150, pl.10, f.1-4.

Early Silurian, Wenlock, La Vieille Fm. SW side of the Barachois, back of Le Grand's Hotel, Port Daniel, Québec, Canada. Collector: Northrop, S.A., 1927.

***Favosites hemisphericus* (Troost)**

HYPOTYPE YPM 5706

Girty, G.H. 1895b. *Am. Geol.* v.15, n.3, p.138, pl.8, f.16.

Early Devonian, Onondagan. LeRoy, Genesee Co., New York, USA. Collector: Beecher, C.E., 8/1891.

***Favosites hisingeri* Edwards and Haime**

HYPOTYPE YPM 25617

Shrock, R.R. and W.H. Twenhofel. 1939. *J. Paleont.* v.13, n.3, p.255, pl.30, f.25.

Silurian, Pike Arm Fm. Coral zone, Burnt Island in Goldson Arm, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HYPOTYPE YPM 25634

Shrock, R.R. and W.H. Twenhofel. 1939. *J. Paleont.* v.13, n.3, p.255, pl.30, f.24.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HYPOTYPE YPM 37215

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.129.

Early Silurian, Llandoverly, Jupiter Fm, Jupiter zone 10. Jumpers, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

***Favosites louisvillensis* Davis**

See *Favosites louisvillensis?* Davis.

***Favosites louisvillensis?* Davis**

HYPOTYPE YPM 17619

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88, pl.17, f.3,4.

=*Favosites louisvillensis*. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.63.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17621

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88.

=*Favosites louisvillensis*. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.63.

Late Silurian, Ludlow, Brownsport Fm. 0-55 ft above Dixon-Brownsport contact, SW side of Beech Grove School Road, 0.5 mi SE of Beech Grove School, Clifton 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17622

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88.

=*Favosites louisvillensis*. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.63.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton

7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17623

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88, pl.17, f.1,2.

=*Favosites louisvillensis*. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.63.

Late Silurian, Ludlow, Brownsport Fm. Dixon-Brownsport-Decatur contacts not exposed, probably in the upper 30 ft of the Brownsport, E side of road from Pope to Clifton, 1.4 mi S of Hall School, Pope 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W., 8/1946.

HYPOTYPE YPM 21275<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.88, tf.30.

=*Favosites louisvillensis*. Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.63.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Favosites obpyriformis* Foerste**

HYPOTYPE YPM 21282<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.90.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Favosites placenta* Rominger**

HYPOTYPE YPM 7805

Dunbar, C.O. 1927. Am. J. Sci. v.213, p.107, tf.9.

Middle Devonian, Hamilton Grp, Hamilton coral zone. Coral zone, near Arkona, Ontario, Canada. Collector: Pilkey, A.

***Favosites radiatus* Rominger**

HYPOTYPE YPM 6367

Dunbar, C.O. 1927. Am. J. Sci. v.213, p.103, tf.1-4.

Middle Devonian, Hamilton Grp. East Bethany,  
Genesee Co., New York, USA. Collector:  
Bradley, F.H.

***Favosites* sp.**

HYPOTYPE YPM 17335, 17337, 17339,  
17340, 17343

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4.

Late Ordovician. Cloud's loc. 8, NW side of E central  
promontory, Sutton Island, Canada. Collector:  
Cloud, P.E., 8/9/1939.

HYPOTYPE YPM 17353<sup>a</sup>

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4.

Late Ordovician. Sutton Island, Canada.

HYPOTYPE YPM 17354

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4.

Late Ordovician. Cloud's loc. 9a, N side of E central  
promontory at and up to 15 ft above tide, Sutton  
Island, Canada. Collector: Cloud, P.E., 8/9/1939.

HYPOTYPE YPM 17356

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4.

Late Ordovician. Cloud's loc. 8, NW side of E  
central promontory, Sutton Island, Canada.  
Collector: Cloud, P.E., 8/9/1939.

HYPOTYPE YPM 17357

Miller, A.K. and W. Youngquist. 1947. J.  
Paleont. v.21, n.1, p.4.

Late Ordovician. Cloud's loc. 9b on S side of E central  
promontory, at and up to 15 ft above tide, Sutton  
Island, Canada. Collector: Cloud, P.E., 8/9/1939.

<sup>a</sup>A thorough search of the collections by the curatorial  
staff in the 1960s and 1990s could not locate this  
specimen. It is believed to be permanently lost.

***Favosites spinigerus* Hall**

HYPOTYPE YPM 5722A

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.7, f.20.

HYPOTYPE YPM 5722B

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.8,9.

HYPOTYPE YPM 5722C

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.6.

HYPOTYPE YPM 5722D

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.7.

HYPOTYPE YPM 5722E

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.10.

HYPOTYPE YPM 5722F

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.11.

HYPOTYPE YPM 5722G

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.12.

HYPOTYPE YPM 5722H

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.13.

HYPOTYPE YPM 5722I

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.14.

HYPOTYPE YPM 5722J

Girty, G.H. 1895b. Am. Geol. v.15, n.3,  
p.136, pl.8, f.15.

Early Devonian. Waldron, Shelby Co., Indiana,  
USA. Collector: Beecher, C.E.

***Grewingkia pulchella* (Billings)**

HYPOTYPE YPM 28721

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.73.

Late Ordovician, Ellis Bay Fm. Cliff between Bear  
Cape and Cape Eagle, Anticosti Island, Québec,  
Canada. Collector: Twenhöfel, W.H.

HYPOTYPE YPM 28722

Elias, R.J. 1982. Bull. Am. Paleont. v.81,  
n.314, p.73.

Ordovician, Ellis Bay Fm, Ellis Bay Mbr 6. Cape  
Eagle, Anticosti Island, Québec, Canada.  
Collector: Twenhöfel, W.H., 1909.

HYPOTYPE YPM 28723

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Vaureal Fm, Vaureal Upper Mbr. Vaureal River section zone 8, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28724, 28725

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, English Head Fm, Vaureal Upper Mbr. English Head facies, West Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28726

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73, pl.12, f.15-18.

HYPOTYPE YPM 28727

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

HYPOTYPE YPM 28728

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73, pl.12, f.11-14.

Late Ordovician, Ellis Bay Fm. Cape James Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28729, 28730

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm. W side of Prinsta Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

HYPOTYPE YPM 28731-28733

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm. W side of Ellis Bay, zone A, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28734

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73, pl.12, f.19.

Ordovician, Ellis Bay Fm. Zone C, cliff 0.75 mi E of Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 7/17/1919.

HYPOTYPE YPM 28735

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm. Back of Prinsta Bay, lower C, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 28736

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 13. Cape James, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28737, 28738

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.<sup>a</sup>

Late Ordovician, Ellis Bay Fm. Vaureal River section zone 22, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28739

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm. W side of Ellis Bay, zone D, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H., 1909.

HYPOTYPE YPM 28740

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Ordovician, Ellis Bay Fm. Basal unit of Ellis Bay Fm, Vaureal River section zone 10, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28741-28745

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 1. Basal beds, lower 25 ft, Junction Cliff, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

HYPOTYPE YPM 28746

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 1. W side of Ellis Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28747



Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Upper beds, Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28748–28750

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28751

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. W side of Ellis Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28752

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 6. E of Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28753

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 7. *Hormotoma gigantea* zone, Ellis Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

HYPOTYPE YPM 28754, 28755

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 8. W side of Ellis Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28756

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 9. Reef at Ellis Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28757

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, English Head Fm, English Head Coral Zone. Twenhofel zone 9, bioherm at base of Ellis Bay member 6 (sensu Bolton), coral zone at Raspberry Point (Pointe Laframboise), Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28758–28760

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 9. Coral zone, Ellis Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

HYPOTYPE YPM 28761

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.73.

Late Ordovician, Ellis Bay Fm, Ellis Bay Zone 10. W side of Ellis Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

<sup>a</sup>The locality published for YPM 28737 states “zone 15 of Twenhofel’s Vaureal River section.”

### ***Grewingia* sp.**

HYPOTYPE YPM 28762

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.74, pl.12, f.22-24.

Late Ordovician, Richmondian, White Head Fm. *Stenopareia* faunal zone of Lesperance (1968), Grande Coupe, 2.4 km N of Percé, Québec, Canada. Collector: Cooper, G.A., 8/1929.

### ***Halysites amplitubata* Lambe**

HYPOTYPE YPM 19231

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.48, pl.8, f.2,3.

Silurian. Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

### ***Halysites brownsportensis* Amsden**

HYPOTYPE YPM 28143

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.65, pl.9, f.4.

HYPOTYPE YPM 28144

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.65, pl.9, f.5.

HYPOTYPE YPM 28145

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.65, pl.10, f.6.

HYPOTYPE YPM 38045

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.65.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

See also *Halysites catenularia brownSPORTensis* Amsden.

***Halysites catenularia* (Linnaeus)**

PARATYPE YPM 28081

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.125.

Early Silurian, Llandovery, Gun River Fm. Cape MacGilvray, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28073

Twenhofel, W.H. 1926. Nat. Hist. v.26, n.5, f.(p.518).

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.125.

Ordovician, Vaureal Fm. Talus slope, Carleton Point, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 25618

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.255, pl.29, f.21.

Silurian, Pike Arm Fm. Inner coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HYPOTYPE YPM 25619

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.255, pl.29, f.18,23.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Halysites catenularia brownSPORTensis* Amsden**

HOLOTYPE YPM 17638

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.94, pl.18, f.1.

=*Halysites brownSPORTensis*. Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.65.

HYPOTYPE YPM 17639

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.94, pl.18, f.2,3.

=*Halysites brownSPORTensis*. Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.65.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Halysites catenularia micropora* Whitfield**

HYPOTYPE YPM 37213

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.125.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 7. W side of Ellis Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

***Halysites compactus Rominger, var.***

HYPOTYPE YPM 14885

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.154, pl.10, f.5.

Early Silurian, Wenlock, La Vieille Fm. Near the top of the limestone, ridge W of Port Daniel RR station which extends from Clemville N to Barrachois, Québec, Canada. Collector: Schuchert, C., 8/1923.

***Halysites encrustans* Buehler**

HOLOTYPE YPM 7235

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.66, pl.10, f.1-4.

=*Cystihalysites encrustans*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1140.

Early Silurian, Wenlock, La Vieille Fm. Near the top of the limestone, ridge W of Port Daniel RR

station which extends from Clemville N to Barrachois, Québec, Canada. Collector: Schuchert, C., 8/1923.

HYPOTYPE YPM 19227

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.66, pl.10, f.5.

=*Cystihalysites encrustans*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1140.

Early Silurian, Wenlock, Chicotte Fm. Chicotte Cliff, upper beds, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 27815, 27816

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.66.

=*Cystihalysites encrustans*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1140.

Early Silurian, Wenlock, La Vieille Fm. Near the top of the limestone, ridge W of Port Daniel RR station which extends from Clemville N to Barrachois, Québec, Canada. Collector: Schuchert, C., 8/1923.

HYPOTYPE YPM 28132

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.66.

=*Cystihalysites encrustans*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1140.

Early Silurian, Wenlock, La Vieille Fm. Lower 50 ft of knobby limestone in RR cuts about 1.5 mi E of Gascons, Québec, Canada. Collector: Schuchert, C., 8/1923.

### ***Halysites infundibuliformis* Buehler**

HOLOTYPE YPM 19142

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.67, pl.1, f.1, pl.2, f.1, pl.3, f.6.

Silurian, Lockport Dolomite?. York, Livingston Co., New York, USA. Collector: Fellowes, R.S.

PARATYPE YPM 42990<sup>a</sup>

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.67.

Silurian, Lockport Dolomite?. Drift near Elma, Erie Co., New York, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

### ***Halysites labyrinthica* (Goldfuss)**

HYPOTYPE YPM 19239

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.29, pl.3, f.5.

Silurian, Niagara Grp. Clarke Co., Indiana, USA.

HYPOTYPE YPM 19240

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.29, pl.3, f.4.

Early Silurian, Fossil Hill Fm. Manitoulin Island, Manitoulin Co., Ontario, Canada. Collector: Buehler, E.J.

### ***Halysites meandrina* (Troost)**

NEOTYPE YPM 19237

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.34, pl.4, f.1.

=*Halysites meandrinus*. Young, G.A. and J.P.A. Noble. 1987b. J. Paleont. v.61, n.6, p.1138.

Late Silurian, Ludlow, Brownsport Fm, Lobelville Limestone Mbr. Short Creek in Linden, Perry Co., Tennessee, USA. Collector: Buehler, E.J.

### ***Halysites nitida* Lambe**

HYPOTYPE YPM 19228

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.49, pl.9, f.1.

=*Halysites nitidus*. Young, G.A., D.-J. Lee and J.P.A. Noble. 1991. J. Paleont. v.65, n.5, p.717.

Late Silurian, Ludlow-Pridoli, West Point Fm. Beach shingle derived from zone 21, shore section E of Black Cape, Québec, Canada. Collector: Northrop, S.A., 1927.

HYPOTYPE YPM 19232

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.49, pl.8, f.4,5.

=*Halysites nitidus*. Young, G.A., D.-J. Lee and J.P.A. Noble. 1991. J. Paleont. v.65, n.5, p.717.

Silurian, Wenlock-Ludlow, Gascons Fm. Dark green shale at mouth of Chouinard Brook E of

Gascons, Québec, Canada. Collector: Northrop, S.A. and Schuchert, C., 8/1923.

***Halysites* sp.**

HYPOTYPE YPM 17297A

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.5, pl.1, f.3.

HYPOTYPE YPM 17297B

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.5.

Late Ordovician. Float, Read Island, Northwest Territories, Canada. Collector: Cloud, P.E., 1939.

HYPOTYPE YPM 17303

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.5, pl.2, f.1,2.

Late Ordovician. About 2 mi ENE of H.B.C. station at King's Harbor on surface of 500-600 ft trap plateau, N shore of Prince Albert Sound, Oluksaktuk, Canada. Collector: Cloud, P.E., 8/29/1939.

HYPOTYPE YPM 18664

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, pl.11, f.4, pl.12, f.1.

Early Silurian, Wenlock Limestone. Dudley, England. Collector: Marsh, O.C.

HYPOTYPE YPM 18665

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.13, pl.12, f.3.

HYPOTYPE YPM 18666

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, p.13, pl.12, f.4.

Silurian. Tofta Parish, Gotland, Sweden. Collector: Stoyanow, A.A.

HYPOTYPE YPM 19229

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, pl.9, f.2,3.

Silurian. Drift, Erie Co., New York, USA.

HYPOTYPE YPM 28125

Buehler, E.J. 1955. Bull. Peabody Mus. Nat. Hist. n.8, pl.12, f.2.

Silurian. Death Valley, Inyo Co., California, USA. Collector: Garstin, D.V.

***Helicelasma selectum* (Billings)**

HYPOTYPE YPM 28710

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.62.

Late Ordovician, English Head Fm, Vaureal Upper Mbr. English Head facies, English Head reef, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28711

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.62.

Late Ordovician, English Head Fm, Vaureal Upper Mbr. English Head facies, West Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28712

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.62, pl.6, f.15,16.

Late Ordovician, Ellis Bay Fm, Ellis Bay zones 2 and 5. Cape James, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28713

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.62, pl.6, f.17.

Late Ordovician, Ellis Bay Fm. Vaureal River section zone 21, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28714

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.62, pl.6, f.12,14.

Late Ordovician, Ellis Bay Fm. Basal unit of Ellis Bay Fm, Vaureal River section zone 10, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28715

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.62.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Coral and *Beatricia* zones, Lousey Cove, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28716

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.62.

Late Ordovician, Richmondian, White Head Fm. *Stenopareia* faunal zone of Lesperance (1968),

Grande Coupe, 2.4 km N of Percé, Québec, Canada. Collector: Twenhofel, W.H., 8/1929.

***Heliolites distans* Foerste**

HYPOTYPE YPM 17607

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.86, pl.15, f.6,7.

HYPOTYPE YPM 17608

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.86, pl.15, f.8,9.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21283<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.86.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Heliolites distinctus* Young and Noble**

See *Heliolites subtubulatus* (McCoy).

***Heliolites interstinctus* (Linnaeus)**

HYPOTYPE YPM 25607

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.252, pl.28, f.1,2.

Silurian, Pike Arm Fm. Fossiliferous coralline argillite, Burnt Island in Goldson Arm near New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Heliolites megastoma* (McCoy)**

HYPOTYPE YPM 22759

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.132.

=*Heliolites* cf. *H. megastoma*. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.57.

Early Silurian, Llandoverly, Jupiter Fm, Jupiter zone 10. Jumpers, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

***Heliolites* cf. *H. megastoma* (McCoy)**

See *Heliolites megastoma* (McCoy).

***Heliolites nucella* Foerste**

HYPOTYPE YPM 17609

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.86, pl.15, f.1,3,4.

Late Silurian, Ludlow, Brownsport Fm. Limestone and red, green shale, 0-8 ft below Brownsport-Decatur contact, Lady Finger Bluff, E side of Tennessee River, 0.9 mi N of Mousetail Landing, 0.4 mi N of Lick Creek mouth, Jeanette 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17610

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.86, pl.15, f.2,5.

Late Silurian, Ludlow, Brownsport Fm. 65-85 ft above Dixon-Brownsport contact, Mousetail Bluff, E side of Tennessee River, just N of Mousetail Landing and 0.5 mi S of Lick Creek junction with Tennessee River, Jeannette 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21284<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.86.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Heliolites spongiosus* Foerste**

HYPOTYPE YPM 17614

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.84, pl.14, f.6,8.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.59.

HYPOTYPE YPM 17615

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.84, pl.14, f.5,7.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.59.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone

(Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Heliolites subtubulatus* (McCoy)**

HYPOTYPE YPM 95

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.132.

=*Heliolites distinctus* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.53.

Early Silurian, Llandoverly, Gun River Fm, Gun River zone 10. Jumpers, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 96

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.132.

=*Heliolites distinctus* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.53.

Early Silurian, Llandoverly, Jupiter Fm. East Jupiter Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 97

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.132.

=*Heliolites distinctus* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.53.

Early Silurian, Llandoverly, Jupiter Fm. Jupiter Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 98, 99

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.132.

=*Heliolites distinctus* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.53.

Early Silurian, Wenlock, Chicotte Fm, Chicotte zone 2. Jumpers, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 347, 348

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.132.

=*Heliolites distinctus* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.53.

Early Silurian, Llandoverly, Jupiter Fm. Cormorant Point, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 349

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.132.

=*Heliolites distinctus* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.53.

Early Silurian, Wenlock, Chicotte Fm. Jumpers, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 25608

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.252, pl.28, f.5.

=*Heliolites distinctus* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.53.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Heliolites subtubulata turbinata* Parks**

HOLOTYPE YPM 13213

Parks, W.A. 1933. Toronto Univ. Stud. Geol. Ser. n.33, p.36, pl.7, f.5,6, pl.8, f.8.<sup>a</sup>

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.147.

Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.55.<sup>b</sup>

Silurian. Loose on beach, Black Cape, Gaspé, Québec, Canada. Collector: Fair, J.C.

HYPOTYPE YPM 13267

Young, G.A. and J.P.A. Noble. 1990a. J. Paleont. v.64, n.1, p.55.

Early Silurian, Wenlock, La Vieille Fm. Bridge S of Clemville, E of road, Québec, Canada. Collector: Northrop, S.A., 1927.

<sup>a</sup>Incorrectly cited as YPM 13212.

<sup>b</sup>Cited as ?YPM 13212.

***Heliolites tennesseensis* Amsden**

HOLOTYPE YPM 17611

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.85, pl.14, f.1,2,4.<sup>a</sup>

HYPOTYPE YPM 17613

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.85, pl.14, f.3.

Late Silurian, Ludlow, Brownsport Fm. 38 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20135<sup>b</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.85.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>Incorrectly cited as YPM 17612 in the explanation for pl.14, f.2.

<sup>b</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Heterophyllia* cf. *H. sedgwicki* Duncan**

HYPOTYPE YPM 26362

Robinson, W.I. 1917. Trans. Conn. Acad. Arts Sci. v.21, art.2, p.178, pl.1, f.7.

HYPOTYPE YPM 26363

Robinson, W.I. 1917. Trans. Conn. Acad. Arts Sci. v.21, art.2, p.178, pl.1, f.8.

Lower Carboniferous. Scottish Lower Limestone Group, Charleston Quarry, Dunfermline, Fife Province, Scotland, United Kingdom.

***Hexaphyllia* cf. *H. m'coyi* (Duncan)**

HYPOTYPE YPM 42997<sup>a</sup>

Robinson, W.I. 1917. Trans. Conn. Acad. Arts Sci. v.21, art.2, p.180, pl.1, f.9.

Mississippian. Scottish Lower Limestone Group, Gilnockie, near Canonbie, Scotland, United Kingdom.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Koninckophyllum arizelum* Crickmay**

PART OF HOLOTYPE YPM 20197<sup>a</sup>

Crickmay, C.H. 1955. Crickmay, C.H.: Calgary (Alberta, Canada), p.11, pl.1, f.5-7.

=*Lithostrotion arizelum*. Nelson, S.J. 1960. J. Paleont. v.34, n.1, p.124.

Mississippian, Rundle Fm. Bed 14, between 565 and 683 ft below top of 1954 measurement of Shimer's section No. 2 (modified), upper part of Rundle, about 2640 ft SE of mouth of Cascade River, E side of Cascade Point, N shore of Lake Minnewanka, Alberta, Canada. Collector: Crickmay, C.H.

<sup>a</sup>The remainder of the holotype is No. Cb 563 in the collection of the University of Alberta.

***Leonardophyllum kingi* Ross and Ross**

HOLOTYPE YPM 21799

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1180, tf.4D,7, pl.160, f.12,16,17, pl.161, f.1.

Pennsylvanian, Virgilian?, Gaptank Fm. Near base of gray limestone (bed 2 of King, 1931), near W end of Hill 5060, Wolf Camp Hills, Glass Mountains, Brewster Co., Texas, USA. Collector: Ross, C.A.

PARATYPE YPM 21800

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1180.

Pennsylvanian, Virgilian, Gaptank Fm. 5-10 ft below top of *Uddenites* shale, N side of outlying knob, W side of Geologist's Canyon, Wolf Camp Hills, Glass Mountains. Brewster Co., Texas, USA. Collector: Ross, C.A.

***Lithostrotion arizelum* (Crickmay)**

See *Koninckophyllum arizelum* Crickmay.

***Lithostrotionella shimeri* (Crickmay)**

See *Lonsdaleia shimeri* Crickmay.

***Lobocorallium trilobatum vaurealense* (Twenhofel)**

See *Zaphrentis vaurealensis* Twenhofel.

***Lonsdaleia shimeri* Crickmay**

PART OF HOLOTYPE YPM 20196<sup>a</sup>

Crickmay, C.H. 1955. Crickmay, C.H.:  
Calgary (Alberta, Canada) p.13, pl.1, f.9,10.

=*Lithostroktionella shimeri*. Nelson, S.J.  
1960. J. Paleont. v.34, n.1, p.114.

Mississippian, Rundle Fm. Bed 6, between 258 and  
309 ft below top of 1954 measurement of Shimer's  
section No. 2 (modified), upper part of Rundle,  
about 750 ft SE of mouth of Cascade River, W side  
of Cascade Point, N shore of Lake Minnewanka,  
Alberta, Canada. Collector: Crickmay, C.H.

<sup>a</sup>The remainder of the holotype is No. Cb 564 in  
the collection of the University of Alberta.

***Lophophyllidium solidum* Ross and Ross**

HOLOTYPE YPM 21810

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1182, tf.4J, pl.161, f.13,16,19.

PARATYPE YPM 21802

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1182, pl.161, f.10.

Pennsylvanian, Virgilian, Gaptank Fm. 5-10 ft below  
top of *Uddenites* shale, N side of outlying knob,  
W side of Geologist's Canyon, Wolf Camp Hills,  
Glass Mountains, Brewster Co., Texas, USA.  
Collector: Ross, C.A.

***Lophophyllidium vallum* Ross and Ross**

HOLOTYPE YPM 21803

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1181, tf.4E, pl.161, f.2,6.<sup>a</sup>

PARATYPE YPM 21804

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1181, pl.161, f.5.

PARATYPE YPM 21805

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1181, pl.161, f.9.

Pennsylvanian, Virgilian, Gaptank Fm. 5-15 ft below  
top of *Uddenites* shale, N side of outlying knob,  
W side of Geologist's Canyon, Wolf Camp Hills,  
Glass Mountains, Brewster Co., Texas, USA.  
Collector: Ross, C.A.

PARATYPE YPM 21806

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1181, tf.4K, pl.161, f.3,4,8.

PARATYPE YPM 21807

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1181, pl.161, f.20.

Pennsylvanian, Virgilian, Gaptank Fm. 5-10 ft below  
top of *Uddenites* shale, N side of outlying knob,  
W side of Geologist's Canyon, Wolf Camp Hills,  
Glass Mountains, Brewster Co., Texas, USA.  
Collector: Ross, C.A.

<sup>a</sup>Fragments of the specimen indicate that tf.4 is  
enlarged, not  $\times 1$  as stated in the explanation;  
published as four thin sections but only three are  
present.

***Lophophyllidium vidriensis* Ross and Ross**

HOLOTYPE YPM 21811

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1183, tf.8B.

PARATYPE YPM 21812

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1183, tf.8C, pl.161, f.17.

PARATYPE YPM 21813

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1183, tf.8A.

PARATYPE YPM 21814

Ross, C.A. and J.P. Ross. 1962. J. Paleont.  
v.36, n.6, p.1183, pl.161, f.18.

Early Permian, Wolfcampian, Lenoxhills Fm.  
Biohermal limestone, 0.4 mi S60W of Hill 5159 at  
elevation 4600 ft, and 1200 ft S30W of Section 3,  
which is measured up the lower portion of Dugout  
Mountain, due S of main peak, and about 0.33 mi  
SW of Sec. 26, Brewster Co., Texas, USA.  
Collector: Ross, C.A.

***Lyellia affinis* (Billings)**

HYPOTYPE YPM 25609

Shrock, R.R. and W.H. Twenhofel. 1939. J.  
Paleont. v.13, n.3, p.253, pl.28, f.10,11.

Silurian, Pike Arm Fm. Inner coral zone on Fossil  
Point, projects into Pike Arm, 0.25 mi E of canal  
between Pike and Herring Arms, New World  
Island, Newfoundland, Canada. Collector:  
Twenhofel, W.H., 1936.

HYPOTYPE YPM 25632

Shrock, R.R. and W.H. Twenhofel. 1939. J.  
Paleont. v.13, n.3, p.253.



Silurian, Pike Arm Fm. Coral zone, Burnt Island in Goldson Arm, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Lyellia americana* Edwards and Haime**

HYPOTYPE YPM 25610

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.253, pl.28, f.6,7.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Lyellia decipiens* (Rominger)**

HYPOTYPE YPM 25611

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.253, pl.28, f.12,15.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Lyellia exigua* (Billings)**

HYPOTYPE YPM 25612

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.254, pl.28, f.13,14.

Silurian, Pike Arm Fm. Inner coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Lyellia nummulosa* Twenhofel**

HOLOTYPE? YPM 20801<sup>a</sup>

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.135.<sup>b</sup>

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 4. Cape Eagle, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 10389

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.135, pl.5, f.2,3.

Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 27863

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.135, pl.5, f.1.

HYPOTYPE YPM 27864

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.135, pl.5, f.5.

Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 38303<sup>c</sup>

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.135, pl.5, f.4.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 4. Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

<sup>a</sup>This is a lot of 6 specimens.

<sup>b</sup>Labeled as a cotype by Twenhofel; this specimen may be the holotype he refers to on p.136.

<sup>c</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Lyellia superba* (Billings)**

HYPOTYPE YPM 25613

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.254, pl.28, f.8,9.

Silurian, Pike Arm Fm. Inner coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HYPOTYPE YPM 25614, 25633

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.254.

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

***Michelinia convexa* d'Orbigny**

HYPOTYPE YPM 5608

Beecher, C.E. 1891b. Trans. Conn. Acad. Arts Sci. v.8, p.216, pl.14, f.1-6.

Silurian, Louisville Limestone. Louisville, Jefferson Co., Kentucky, USA.

***Monilopora beecheri* Grabau**

SYNTYPE YPM 5740

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.411, pl.1, f.2,3.

SYNTYPE YPM 30660

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.411, pl.2, f.1.

SYNTYPE YPM 30661

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.411, pl.2, f.2.

SYNTYPE YPM 30662

Grabau, A.W. 1899. Proc. Boston Soc. Nat. Hist. v.28, n.16, p.411, pl.2, f.3.

Middle Devonian, Hamilton Grp. Canandaigua Lake, New York, USA. Collector: Beecher, C.E.

***Naos brownsportensis* Amsden**

HOLOTYPE YPM 17712

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.115, pl.31, f.1-5.

Late Silurian, Ludlow, Brownsport Fm. 38-40 ft above Dixon-Browsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Naos sewellensis* Amsden**

HOLOTYPE YPM 17706

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.113, pl.32, f.3,4.<sup>a</sup>

HYPOTYPE YPM 17707

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.113, pl.32, f.2.

HYPOTYPE YPM 17708

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.113, pl.32, f.1,5,6.

Late Silurian, Ludlow, Brownsport Fm. Coarse grained limestone ledge, 12 ft below Brownsport-Decatur contact, near Sewell's Spring, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17709

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.113, pl.33, f.1.

HYPOTYPE YPM 17710

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.113, pl.33, f.2,3,7.

HYPOTYPE YPM 17711

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.113, pl.33, f.4-6,8,9.<sup>a</sup>

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Browsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

<sup>a</sup>The holotype is not figured on pl.33, f.6,8,9, as stated in the plate explanation; f.6,8,9 are actually hypotype YPM 17711.***Neokoninckophyllum cooperi* Ross and Ross**

HOLOTYPE YPM 21753

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1171, tf.4B, pl.160, f.1,2,4,7.<sup>a</sup>

Pennsylvanian, Gaptank Fm. Units 19 and 20 combined (100 ft thick), Section 40, N along Allison-Moore boundary fence, 0.7 mi W of Gap Tank, Glass Mountains, Pecos Co., Texas, USA. Collector: Ross, C.A.

<sup>a</sup>Incorrectly cited as YPM 21743 on p.1171.***Neokoninckophyllum deciensis* Ross and Ross**

PARATYPE YPM 21754

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1172, pl.160, f.6.

Early Permian, Wolfcampian, Neal Ranch Fm. Limestone, 2.1 mi N47W of Decie Ranch house, and 540 ft S30E of base of Section 7, which begins at base of Lenox Hills escarpment 2 mi N45W of Decie Ranch house, Brewster Co., Texas, USA. Collector: Ross, C.A.

***Neokoninckophyllum dunbari* Ross and Ross**

HOLOTYPE YPM 21752

Ross, C.A. and J.P. Ross. 1962. *J. Paleont.* v.36, n.6, p.1171, ff.4A,5, pl.160, f.3,5.

Pennsylvanian, Gaptank Fm. Unit 4 (4 ft thick), Section 12, knoll at the base of SW face of Leonard Mountain, and SSW of BM 5860, Brewster Co., Texas, USA. Collector: Ross, C.A.

***Pachyphyllum woodmani* (White)**

HYPOTYPE YPM 26364

Robinson, W.I. 1917. *Trans. Conn. Acad. Arts Sci.* v.21, art.2, p.184.

HYPOTYPE YPM 26365

Robinson, W.I. 1917. *Trans. Conn. Acad. Arts Sci.* v.21, art.2, p.184, pl.1, f.10.

Late Devonian, Hackberry Grp, Lime Creek Shale. Cerro Gordo Co., Iowa, USA. Collector: Dunbar, C.O.

***Palaeacis cuneiformis* Milne-Edwards**

HYPOTYPE YPM 26357

Robinson, W.I. 1917. *Trans. Conn. Acad. Arts Sci.* v.21, art.2, p.161, pl.1, f.1c.

Late Mississippian, St. Louis Limestone. Spurgen Hill, Indiana, USA. Collector: Marsh, O.C.

HYPOTYPE YPM 42995<sup>a</sup>

Robinson, W.I. 1917. *Trans. Conn. Acad. Arts Sci.* v.21, art.2, p.161, pl.1, f.1a.

HYPOTYPE YPM 42996<sup>a</sup>

Robinson, W.I. 1917. *Trans. Conn. Acad. Arts Sci.* v.21, art.2, p.161, pl.1, f.1b.

No locality information available.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Palaeacis obtusa* (Meek and Worthen)**

HYPOTYPE YPM 5657

Robinson, W.I. 1917. *Trans. Conn. Acad. Arts Sci.* v.21, art.2, p.161, pl.1, f.2.

Early Mississippian, Osagean, Keokuk Limestone. Illinois, USA. Collector: Marsh, O.C.

HYPOTYPE YPM 26358

Robinson, W.I. 1917. *Trans. Conn. Acad. Arts Sci.* v.21, art.2, p.162, pl.1, f.3.

Early Mississippian, Osagean, Keokuk Limestone. Nauvoo, Hancock Co., Illinois, USA. Collector: Marsh, O.C.

***Palaeocyclus rotuloides* Hall**

HYPOTYPE YPM 24858

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.122.

Early Silurian, Llandoverly, Jupiter Fm, Jupiter zone 5. Cormorant Point, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

***Palaeocyclus rotuloides magnus* Northrop**

SYNTYPE YPM 13365

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.139, pl.9, f.1.

Early Silurian, Wenlock, La Vieille Fm. Along RR cut just W of Peabody Locality B0900, W of water tower, Anse à la Vieille [=Anse à Pierre-Loiselle], Québec, Canada. Collector: Northrop, S.A., 1927.

SYNTYPE YPM 13366

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.139, pl.9, f.2.

Early Silurian, Wenlock, La Vieille Fm. *Stricklandia* zone W end of section, Black Cape, Québec, Canada. Collector: Schuchert, C., 8/1905.

SYNTYPE YPM 14871

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.139.

Early Silurian, Wenlock, La Vieille Fm. SW corner of Barachois, Port Daniel, Gaspé Peninsula, Québec, Canada. Collector: Schuchert, C., 1924.

SYNTYPE YPM 30854

Northrop, S.A. 1939. *Geol. Soc. Am. Spec. Pap.* 21, p.139.

Early Silurian, Wenlock, La Vieille Fm. *Stricklandia* zone W end of section, Black Cape, Québec, Canada. Collector: Schuchert, C., 8/1905.

***Palaeophyllum vaurealense* Twenhofel**

See *Columnaria*(?) (*Palaeophyllum*) *vaurealensis* Twenhofel.

***Palaeophyllum vaurealensis* Twenhofel**

See *Columnaria*(?) (*Palaeophyllum*) *vaurealensis* Twenhofel.

***Paliphyllum ellisense* (Twenhofel)**

HYPOTYPE YPM 28772, 28773

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.

Late Ordovician, Ellis Bay Fm. W side of Ellis Bay, zone A, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28774, 28775

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.

Late Ordovician, Ellis Bay Fm. Ellis Bay horizon, Cape Henry, lower zone, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28776

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.

Late Ordovician, Vaureal Fm. Coral zone above Vaureal Falls (near base of Ellis Bay Fm, sensu Elias), Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28777

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.

HYPOTYPE YPM 28778

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82, pl.15, f.20.

Late Ordovician, English Head Fm, English Head Coral Zone. Twenhofel zone 9, bioherm at base of Ellis Bay member 6 (sensu Bolton), coral zone at Raspberry Point (Pointe Laframboise), Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28779

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82, pl.15, f.18,19.

HYPOTYPE YPM 28780

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82, pl.15, f.12-15.

HYPOTYPE YPM 28781, 28783, 28784

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82.

HYPOTYPE YPM 28782

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.82, pl.15, f.16,17.

Late Ordovician, Ellis Bay Fm, Ellis Bay Mbr 6. Coral zone, Ellis Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

See also *Cyathophyllum ellisense* Twenhofel.***Parasmelia?* sp.**

HYPOTYPE YPM 14801

Stephenson, L.W. 1936. Bull. Geol. Soc. Am. v.47, p.386, pl.3, f.11.

Late Cretaceous. Loose boulder brought up in a fisherman's trawl, from a depth of 200 fathoms, eastern part of Banquereau bank, off Sable Island, Nova Scotia, Canada. Collector: Olson, L.

***Planalveolites lobelvillensis* Amsden**

HOLOTYPE YPM 17854

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.97, pl.34, f.14.

Late Silurian, Ludlow, Brownsport Fm. 17-30 ft below Brownsport-Decatur contact, 1 mi N of Lobelville, 100 ft E of Gilmore Bridge at SW bank of Buffalo River, Lobelville 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W., 9/1946.

***Planalveolites louisvillensis?* (Davis)**

HYPOTYPE YPM 17657

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.97, pl.21, f.7-11.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21285<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.97.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.***Plasmopora corrugata* Young and Noble**  
See *Plasmopora petaliformis* (Lonsdale).

***Plasmopora follis* Milne-Edwards and Haime**

HYPOTYPE YPM 100, 346

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.148.

=*Plasmopora logani* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990b. J. Paleont. v.64, n.2, p.195.

Early Silurian, Llandoverly, Clemville Fm. From the blocky shaly beds in the lower sandstone, 17 ft above the base of the Silurian, near Anse à la Vieille [=Anse à Pierre-Loiselle], Québec, Canada. Collector: Schuchert, C., 8/1923.

HYPOTYPE YPM 350, 3448–3450

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.148.

=*Plasmopora logani* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990b. J. Paleont. v.64, n.2, p.195.

Early Silurian, Wenlock, La Vieille Fm. SW corner of Barachois, Port Daniel, Gaspé Peninsula, Québec, Canada. Collector: Schuchert, C., 1924.

HYPOTYPE YPM 17605

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.83, pl.13, f.1,3.

HYPOTYPE YPM 17606

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.83, pl.13, f.2,4.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Plasmopora logani* Young and Noble**See *Plasmopora follis* Milne-Edwards and Haime.***Plasmopora petaliformis* (Lonsdale)**

HYPOTYPE YPM 87–91

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.148.

=*Plasmopora corrugata* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990b. J. Paleont. v.64, n.2, p.195.

Early Silurian, Wenlock, La Vieille Fm. SW corner of Barachois, Port Daniel, Gaspé Peninsula, Québec, Canada. Collector: Schuchert, C., 1924.

HYPOTYPE YPM 92

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.148.

=*Plasmopora corrugata* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990b. J. Paleont. v.64, n.2, p.195.

Early Silurian, Ludlow-Pridoli, West Point Fm. Limestone, Macrae's cove inclusion, shore section E of Black Cape, Québec, Canada. Collector: Northrop, S.A., 1927.

HYPOTYPE YPM 93

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.148.

=*Plasmopora corrugata* Young and Noble.

HYPOTYPE. Young, G.A. and J.P.A. Noble. 1990b. J. Paleont. v.64, n.2, p.195.

Early Silurian, Wenlock, La Vieille Fm. Lower 50 ft of knobby limestone in RR cuts about 1.5 mi E of Gascons, Québec, Canada. Collector: Schuchert, C., 8/1923.

***Platyaxum planostiolatum* (Foerste)**

HYPOTYPE YPM 17640

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.95, pl.20, f.6,8.

HYPOTYPE YPM 17641

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.95, pl.20, f.7,9.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21287<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.95.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Pleurodictyum lenticulare* Hall**

HYPOTYPE YPM 5707

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.9, f.7,8.

HYPOTYPE YPM 27031

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.10, f.1.

Early Devonian, Helderberg Grp. Lower Helderberg, Indian Ladder [Thatcher State Park], Albany Co., New York, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 27032

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.12, f.1.

HYPOTYPE YPM 27033

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.12, f.2.

HYPOTYPE YPM 27034

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.13, f.1.

HYPOTYPE YPM 27035

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.9, f.1-6, pl.10, f.2, pl.11, f.1,2.

HYPOTYPE YPM 27036

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.9, f.12.

Early Devonian, Helderberg Grp. Lower Helderberg, Clarksville. Albany Co., New York, USA.

HYPOTYPE YPM 30449

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.207, pl.9, f.9-11.

Early Devonian, Helderberg Grp. Lower Helderberg, Indian Ladder [Thatcher State Park], Albany Co., New York, USA. Collector: Beecher, C.E.

***Pleurodictyum problematicum* Goldfuss**

HYPOTYPE YPM 27037

Beecher, C.E. 1891a. Trans. Conn. Acad. Arts Sci. v.8, p.209, pl.13, f.2.

Devonian. Pelm, Eifel, West Germany.

***Pleurodictyum tennesseensis* Amsden**

HOLOTYPE YPM 17653

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.100, pl.23, f.1-3.

Late Silurian, Ludlow, Brownsport Fm. 45 ft above Dixon-Brownsport contact, Blue Mound Glade, 0.2 mi N of road leading from Cedar Grove Church to Mt. Carmel Church, 0.8 mi NE of Cedar Grove Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20074

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.100.

Late Silurian, Ludlow, Brownsport Fm. 37-62 ft below Decatur-Brownsport contact, W bank of Tennessee River, 0.2 mi N of Bob's Landing, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W., 8/1946.

HYPOTYPE YPM 20075

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.100.

Late Silurian, Ludlow, Brownsport Fm. 38 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

***Pleurodictyum trifoliatum* Dunbar<sup>a</sup>**

SYNTYPE YPM 7158

Dunbar, C.O. 1918. Am. J. Sci. v.196, p.736.

Dunbar, C.O. 1920. Trans. Conn. Acad. Arts Sci. v.23, p.118, pl.1, f.5.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1950. Wagner Free Inst. Sci. Card 354, f.5.

Early Devonian, Linden Grp, Rockhouse Shale. Sulphur Spring on the Ross farm, 5 mi SE of Savannah, glade on the Rockhouse about 100 yd SE of the spring, Hardin Co., Tennessee, USA. Collector: Dunbar, C.O., 1916.

SYNTYPE YPM 30921<sup>b</sup>

Dunbar, C.O. 1918. Am. J. Sci. v.196, p.736.

Dunbar, C.O. 1920. Trans. Conn. Acad. Arts Sci. v.23, p.118.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1950. Wagner Free Inst. Sci. Card 354.

Devonian, Tennessee, USA. Collector: Dunbar, C.O.

SYNTYPE YPM 30927

Dunbar, C.O. 1918. Am. J. Sci. v.196, p.736.

Dunbar, C.O. 1920. Trans. Conn. Acad.

Arts Sci. v.23, p.118, pl.1, f.6.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1950. Wagner Free Inst. Sci. Card 354, f.6.

SYNTYPE YPM 30928

Dunbar, C.O. 1920. Trans. Conn. Acad.

Arts Sci. v.23, p.118, pl.1, f.7.

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1950. Wagner Free Inst. Sci. Card 354, f.7.

Early Devonian, Linden Grp, Rockhouse Shale. Sulphur Spring on the Ross farm, 5 mi SE of Savannah, glade on the Rockhouse about 100 yd SE of the spring, Hardin Co., Tennessee, USA. Collector: Dunbar, C.O., 1916.

<sup>a</sup>*Pleurodictyum trifoliatum* is a nomen nudum.

Dunbar (1918) uses the manuscript name for his faunal list but does not describe the taxon until later (Dunbar 1920).

<sup>b</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

### ***Protarea clemvillensis* Parks**

HOLOTYPE YPM 13243

Parks, W.A. 1933. Toronto Univ. Stud. Geol. Ser. n.33, p.39, pl.8, f.6.

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.148.

=*Acidolites clemvillensis*. Dixon, O.A. 1986. J. Paleont. v.60, n.1, p.37, ff.8.1,8.2.<sup>a</sup>

Early Silurian, Llandoverly, Clemville Fm. *Camarotoechia fringilla* zone, Little Port Daniel River, about 0.25 mi upstream from bridge, outskirts of Clemville, Québec, Canada. Collector: Schuchert, C., 8/1923.

<sup>a</sup>Cited as YPM 13243A.

### ***Pseudozaphrentoides ordinatus* Ross and Ross**

HOLOTYPE YPM 21777

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1178, ff.4G, pl.160, f.11,13.

PARATYPE YPM 21778

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1178, ff.4F, pl.160, f.15.<sup>a</sup>

PARATYPE YPM 21779

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1178, pl.160, f.9.

PARATYPE YPM 21780

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1178, pl.160, f.14.

PARATYPE YPM 21781

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1178, ff.6.

PARATYPE YPM 21782–21798

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1178.

Pennsylvanian, Gaptank Fm. Unit 12 (6 ft thick), Section 37, starting 50 yd W of the Moore Ranch Road, and about 2 mi W of Gap Tank, Glass Mountains, Pecos Co., Texas, USA. Collector: Ross, C.A.

<sup>a</sup>Incorrectly cited as YPM 22178 on p.1178; only part of the specimen appears to have been drawn in ff.4F.

### ***Ptychophyllum? cliffonense* Amsden**

HOLOTYPE YPM 17689

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.112, pl.30, f.3-6.

Late Silurian, Ludlow, Brownsport Fm. 55-60 ft above Dixon-Brownsport contact, near top of hill, SW side of Beech Grove School Road, 0.5 mi SE of Beech Grove School, Clifton 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17690

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.112.

Late Silurian, Ludlow, Brownsport Fm. 0-55 ft above Dixon-Brownsport contact, SW side of Beech Grove School Road, 0.5 mi SE of Beech Grove School, Clifton 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17691

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.112, pl.30, f.2.

HYPOTYPE YPM 17692

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.112, pl.30, f.1,7.

Late Silurian, Ludlow, Brownsport Fm. 55-60 ft above Dixon-Brownsport contact, near top of hill, SW side of Beech Grove School Road, 0.5 mi SE of Beech Grove School, Clifton 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20147<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.112.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Rhizophyllum tennesseense* (Roemer)**

HYPOTYPE YPM 17693

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.111, pl.29, f.3.

HYPOTYPE YPM 17694

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.111, pl.29, f.2.

HYPOTYPE YPM 17695

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.111, pl.29, f.5.

Late Silurian, Ludlow, Brownsport Fm. 13-18 ft above road (Dixon-Brownsport-Decatur contacts not exposed), N side of US Hwy 64, 1.7 mi SE of junction of road leading S to Beckman Branch, Eagle Creek 7.5 Quad., Harding Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17696

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.111, pl.29, f.4.

Late Silurian, Ludlow, Brownsport Fm. 8-23 ft above Dixon-Brownsport contact, just E of old Brownsport Furnace, N side of road leading from Cedar Grove Church to Mt. Carmel Church, 2 mi NW of Mt. Carmel Church, Perryville 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17697

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.111, pl.29, f.1.

Late Silurian, Ludlow, Brownsport Fm. Dixon-Brownsport contact not exposed, approx. 35 ft of section, N side of US Hwy 64, 0.8 mi SW of junction of road leading to Beckman Branch, Eagle Creek 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21288<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.111.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Romingerella major* (Rominger)**

HYPOTYPE YPM 17642

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.99, pl.22, f.1,2.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17643

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.99, pl.22, f.3,6.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.

Late Silurian, Ludlow, Brownsport Fm. 0-55 ft above Dixon-Brownsport contact, SW side of Beech Grove School Road, 0.5 mi SE of Beech Grove School, Clifton 7.5 Quad., Wayne Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17644

Amsden, T.W. 1949. Bull. Peabody Mus.  
Nat. Hist. n.5, p.99, pl.22, f.4,5.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.



## HYPOTYPE YPM 17645

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.99.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 21289<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.99.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Romingeria jacksoni* Beecher**

## HOLOTYPE YPM 5648

Beecher, C.E. 1903. Am. J. Sci. v.166, p.7, pl.5, f.12,15.<sup>a</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 95, f.12,15.<sup>c</sup>

## HYPOTYPE YPM 5634

Beecher, C.E. 1903. Am. J. Sci. v.166, p.7, pl.5, f.10.<sup>b</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 95, f.10.

## HYPOTYPE YPM 5642

Beecher, C.E. 1903. Am. J. Sci. v.166, p.7, pl.5, f.11.<sup>b</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 95, f.11.<sup>c</sup>

## HYPOTYPE YPM 5643

Beecher, C.E. 1903. Am. J. Sci. v.166, p.7, pl.5, f.13,14.<sup>b,d</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 95, f.13,14.<sup>c</sup>

## HYPOTYPE YPM 5647

Beecher, C.E. 1903. Am. J. Sci. v.166, p.7.<sup>e</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 95.<sup>c</sup>

Middle Devonian, Onondagan, Onondaga Limestone. 3 mi E of LeRoy, Frank Munroe Farm, Genesee Co., New York, USA. Collector: Beecher, C.E. and Bostwick, T.A., 9/1902.

<sup>a</sup>Incorrectly cited as pl.5, f.14. Labeled as cotype in Beecher's handwriting, but cited as the "Type" in the explanation for pl.5, f.15.

<sup>b</sup>Labeled as cotype in Beecher's handwriting, but not specifically designated as part of the type series in Beecher (1903).

<sup>c</sup>Incorrectly cited as cotype.

<sup>d</sup>Not pl.5, f.12.

<sup>e</sup>Labeled as paratype in Beecher's handwriting, but not specifically designated as part of the type series in Beecher (1903).

***Romingeria minor* Beecher**

## HOLOTYPE YPM 5641

Beecher, C.E. 1903. Am. J. Sci. v.166, p.8, pl.5, f.7,8.<sup>a</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 96, f.7,8.<sup>b</sup>

## PARATYPE YPM 5640

Beecher, C.E. 1903. Am. J. Sci. v.166, p.8, pl.5, f.9.<sup>a</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 96, f.9.<sup>b</sup>

## PARATYPE YPM 30690

Beecher, C.E. 1903. Am. J. Sci. v.166, p.8, pl.5, f.6.<sup>a</sup>

Stumm, E.C., C.L. Fenton and M.A. Fenton. 1947. Wagner Free Inst. Sci. Card 96, f.6.<sup>b</sup>

Middle Devonian, Onondagan, Onondaga Limestone. 3 mi E of LeRoy, Frank Munroe Farm, Genesee Co., New York, USA. Collector: Beecher, C.E. and Bostwick, T.A., 9/1902.

<sup>a</sup>Labeled as cotype in Beecher's handwriting.

<sup>b</sup>Incorrectly cited as cotype.

***Romingeria umbellifera* (Billings)**

HYPOTYPE YPM 5525

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.2, pl.3.

HYPOTYPE YPM 5632

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.4, pl.5, f.16.

HYPOTYPE YPM 5635

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.2,3.

HYPOTYPE YPM 5636

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.5.

HYPOTYPE YPM 5639

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.7.

HYPOTYPE YPM 5645

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.1.

HYPOTYPE YPM 5649

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.4.

HYPOTYPE YPM 5650

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.6.

HYPOTYPE YPM 5652

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.12,13.

HYPOTYPE YPM 5653

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.10.

HYPOTYPE YPM 26288

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.8,9.

HYPOTYPE YPM 26289

Beecher, C.E. 1903. Am. J. Sci. v.166, p.3, pl.1, f.11.

Middle Devonian, Onondagan, Onondaga Limestone. 3 mi E of LeRoy, Frank Munroe Farm, Genesee Co., New York, USA. Collector: Beecher, C.E. and Bostwick, T.A., 9/1902.

***Stereostylus tergidus* Ross and Ross**

HOLOTYPE YPM 21815

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1186, tf.4P,11B, pl.161, f.12,21.

PARATYPE YPM 21816

Ross, C.A. and J.P. Ross. 1962. J. Paleont. v.36, n.6, p.1186, tf.4O,11A, pl.161, f.22.

Early Permian, Wolfcampian, Lenoxhills Fm. Shale bed at top of conglomerate bed, 900 ft NE of Hill 5305, W end of Hess Ranch Horst, Glass Mountains, Brewster Co., Texas, USA. Collector: Ross, C.A.

***Streptelasma affine* (Billings)**

HYPOTYPE YPM 28685, 28686

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59.

Late Ordovician, Vaureal Fm, Vaureal Lower Mbr. Reef at little cliff, between Bear Cape and Cape Eagle, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28687

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59.

Late Ordovician, Vaureal Fm, Vaureal Lower Mbr. Talus slope, Carleton Point, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1919.

HYPOTYPE YPM 28688

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59.

Ordovician, Ellis Bay Fm. Zone C, cliff 0.75 mi E of Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 7/17/1919.

HYPOTYPE YPM 28690

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm. Near Junction cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28694

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 1. W side of Ellis Bay, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28700

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Coral and *Beatricia* zones, Lousey Cove, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28705

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59, pl.5, f.9.

HYPOTYPE YPM 28706

Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59, pl.5, f.10-13.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 5. Ellis Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1919.

See also *Zaphrentis affinis* Billings.

### ***Streptelasma corniculum* Hall**

HYPOTYPE YPM 42998<sup>a</sup>

Robinson, W.I. 1917. Trans. Conn. Acad. Arts Sci. v.21, art.2, p.184, tf.5c.

Ordovician. No locality information available.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

### ***Streptelasma?* sp.**

HYPOTYPE YPM 17301

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.7.

Late Ordovician. Float, Read Island, Northwest Territories, Canada. Collector: Cloud, P.E., 1939.

HYPOTYPE YPM 17305

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.7.

Late Ordovician. About 2 mi ENE of H.B.C. station at King's Harbor on surface of 500-600 ft trap plateau, N shore of Prince Albert Sound, Olusaktuk, Canada. Collector: Cloud, P.E., 8/29/1939.

HYPOTYPE YPM 17341, 17342, 17344

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.7.

Late Ordovician. Cloud's loc. 8, NW side of E central promontory, Sutton Island, Canada. Collector: Cloud, P.E., 8/9/1939.

HYPOTYPE YPM 17346, 17349

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.7.

Late Ordovician. Cloud's loc. 9a, N side of E central promontory at and up to 15 ft above tide, Sutton Island, Canada. Collector: Cloud, P.E., 8/9/1939.

HYPOTYPE YPM 17359

Miller, A.K. and W. Youngquist. 1947. J. Paleont. v.21, n.1, p.7.

Late Ordovician. Cloud's loc. 9b on S side of E central promontory, at and up to 15 ft above tide, Sutton Island, Canada. Collector: Cloud, P.E., 8/9/1939.

### ***Striatopora gwenensis* Amsden**

HOLOTYPE YPM 17654

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.96, pl.21, f.2.

Late Silurian, Ludlow, Brownsport Fm. 50 ft above Dixon-Brownsport contact, W bank of Tennessee River, 0.5 mi S of Bob's Landing, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17655

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.96, pl.21, f.3,4.

Late Silurian, Ludlow, Brownsport Fm. 50 ft above road (Dixon-Brownsport-Decatur contacts not exposed), N side of US Hwy 64, 1.7 mi SE of junction with road leading S to Beckman Branch, Eagle Creek 7.5 Quad., Harding Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 17656

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.96, pl.21, f.5,6.

Late Silurian, Ludlow, Brownsport Fm. Green shale at roadside, approx. 50-60 ft above poorly exposed Dixon-Brownsport contact, N side of TN Hwy 114, 2.25 mi SE of Bath Springs Church, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

HYPOTYPE YPM 20138–20141<sup>a</sup>

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.96.

Late Silurian, Ludlow, Brownsport Fm. Western Tennessee, USA.

HYPOTYPE YPM 25804

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.97, pl.21, f.1.

Late Silurian, Ludlow, Brownsport Fm. Green shale at roadside, approx. 50-60 ft above poorly exposed Dixon-Brownsport contact, N side of TN Hwy 114, 2.25 mi SE of Bath Springs Church, Bath Springs 7.5 Quad., Decatur Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate these four specimens. They are believed to be permanently lost.

***Strombodes diffluens* Edwards and Haime**

HYPOTYPE YPM 37218

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.121.<sup>a</sup>

Late Ordovician, Ellis Bay Fm. Cliff on W side of Ellis Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

<sup>a</sup>According to Twenhofel (1928:122), the locality for this specimen is doubtful, although the locality on the specimen label is in Charles Schuchert's handwriting.

***Strombodes cf. diffluens* Milne-Edwards and Haime**

HYPOTYPE YPM 30873

Parks, W.A. 1933. Toronto Univ. Stud. Geol. Ser. n.33, p.39.<sup>a</sup>

=*Arachnophyllum cf. mamillare* (Owen).

HYPOTYPE. Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.145.<sup>a</sup>

Early Silurian, Wenlock, La Vieille Fm. *Stricklandia* zone W end of section, Black Cape, Québec, Canada. Collector: Schuchert, C., 8/1905.

<sup>a</sup>Cited as YPM 13282.

***Syringopora compacta* Billings**

HYPOTYPE YPM 14879

Northrop, S.A. 1939. Geol. Soc. Am. Spec. Pap. 21, p.156, pl.9, f.3.

Young, G.A. and J.P.A. Noble. 1987a. J. Paleont. v.61, n.2, p.275.

=*Syringopora minuta* Young, Lee and Noble. HYPOTYPE. Young, G.A., D.-J. Lee and J.P.A. Noble. 1991. J. Paleont. v.65, n.5, p.722.

Silurian, Wenlock-Ludlow, Gascons Fm. Beach E of Chouinard Brook, Gascons, Québec, Canada. Collector: Schuchert, C., 8/31/1924.

***Syringopora minuta* Young, Lee and Noble**  
See *Syringopora compacta* Billings.

***Thecia minor* Rominger**

HYPOTYPE YPM 17646

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.99, pl.23, f.4,5.<sup>a</sup>

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.

HYPOTYPE YPM 17647

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.99, pl.23, f.6-9.<sup>b</sup>

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.

HYPOTYPE YPM 17648

Amsden, T.W. 1949. Bull. Peabody Mus. Nat. Hist. n.5, p.99.

Stumm, E.C. 1964. Geol. Soc. Am. Mem. 93, p.68.

Late Silurian, Ludlow, Brownsport Fm. Coquina limestone, 42 ft above lemon-yellow limestone (Dixon-Brownsport contact?), 14 ft below Brownsport-Decatur contact, E of Sewell's Spring and Whiteoak School Road, 0.3 mi N of Whiteoak School, Clifton 7.5 Quad., Perry Co., Tennessee, USA. Collector: Amsden, T.W. and Dunbar, C.O., 6/1942.

<sup>a</sup>Not pl.13, f.6,9.

<sup>b</sup>Incorrectly cited as "the specimen shown in fig. 4" in the explanation for pl.8, f.6,9.

***Tryplasma brownsportensis* (Amsden)**  
See *Amplexus brownsportensis* Amsden.

***Tryplasma prava* (Hall)**

See *Amplexus brownsportensis* Amsden.

**undet. Favositidae**

HYPOTYPE YPM 20117

Whitfield, R.P. 1883. *Am. J. Sci.* v.125, p.368.

Boucot, A.J., G.J.F. MacDonald, C. Milton and J.B. Thompson, Jr. 1958. *Bull. Geol. Soc. Am.* v.69, p.860, pl.3, f.1.

Devonian, Bernardston Fm. Weathered surface of crystalline limestone blocks, quarried from W opening of 30 ft limestone bed, about 150 ft above mountain base, E slope of N portion of West Mountain on "Williams Farm," 0.75 mi N of the "New England House," Bernardston, Franklin Co., Massachusetts, USA.

***Zaphrentis affinis* Billings**

HYPOTYPE YPM 28689

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

Ordovician, Ellis Bay Fm. Prinsta Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 28691

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm. W side of Prinsta Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

HYPOTYPE YPM 28692

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm. W side of Ellis Bay, zone A, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28693

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm. Back of Prinsta Bay, lower C, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

HYPOTYPE YPM 28695–28698

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

HYPOTYPE YPM 28699

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59, pl.5, f.4-8.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 1. Basal beds, lower 25 ft, Junction Cliff, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

HYPOTYPE YPM 28701–28704

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Upper beds, Junction Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 28707

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 7. *Hormotoma gigantea* zone, Ellis Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

HYPOTYPE YPM 28708

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. *Bull. Am. Paleont.* v.81, n.314, p.59.

HYPOTYPE YPM 28709

Twenhofel, W.H. 1928. *Mem. Geol. Surv. Can.* n.154, p.114.

=*Streptelasma affine*. Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.59, pl.5, f.14-18.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 9. Coral zone, Ellis Bay, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

***Zaphrentis anticostiensis* Twenhofel**

HOLOTYPE YPM 10387

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.114, pl.1, f.8.

PARATYPE YPM 38300<sup>a</sup>

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.114, pl.1, f.6.

HYPOTYPE YPM 38301<sup>a</sup>

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.114, pl.1, f.7.

Early Silurian, Llandoverly, Gun River Fm, Gun River zone 4. Cape Sandtop Bay, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Zaphrentis hannah* Twenhofel**

HOLOTYPE YPM 10406

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.115, pl.2, f.9.

PARATYPE YPM 38302<sup>a</sup>

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.115, pl.2, f.8.

Early Silurian, Llandoverly, Gun River Fm, Gun River zone 3. Hannah Cliff, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H., 1909.

<sup>a</sup>A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Zaphrentis parsonsensis* Dunbar**

HOLOTYPE YPM 7114

Dunbar, C.O. 1920. Trans. Conn. Acad. Arts Sci. v.23, p.117, pl.1, f.1,2.

Early Devonian, Cypress Creek Chert. Parsons, quarry beside the RR track 1 mi E of town, Decatur Co., Tennessee, USA. Collector: Dunbar, C.O., 1916.

***Zaphrentis stokesi* Milne-Edwards and Haime**

HYPOTYPE YPM 25598

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.250, pl.27, f.7.<sup>a</sup>

HYPOTYPE YPM 25599

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.250, pl.27, f.8.

HYPOTYPE YPM 25600

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.250, pl.27, f.9.<sup>a</sup>

Silurian, Pike Arm Fm. Outer coral zone on Fossil Point, projects into Pike Arm, 0.25 mi E of canal between Pike and Herring Arms, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HYPOTYPE YPM 25601

Shrock, R.R. and W.H. Twenhofel. 1939. J. Paleont. v.13, n.3, p.250, pl.27, f.10.

Silurian, Pike Arm Fm. Coral zone, Burnt Island in Goldson Arm, New World Island, Newfoundland, Canada. Collector: Twenhofel, W.H., 1936.

HYPOTYPE YPM 37231

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.116.

Early Silurian, Jupiter or Chicotte Fm. Bell River, Anticosti Island, Québec, Canada. Collector: Schuchert, C. and Twenhofel, W.H.

<sup>a</sup>The magnification published in the plate explanation,  $\times 1$ , is incorrect.

***Zaphrentis vaurealensis* Twenhofel**

HOLOTYPE YPM 20482

Twenhofel, W.H. 1928. Mem. Geol. Surv. Can. n.154, p.116, pl.3, f.1.

=*Lobocorallium trilobatum vaurealense*. Elias, R.J. 1982. Bull. Am. Paleont. v.81, n.314, p.75, pl.13, f.1s,2.

Ordovician, Vaureal Fm, Vaureal zone 5. Zone 5 of Vaureal River section, Anticosti Island, Québec, Canada. Collector: Twenhofel, W.H.

***Zaphrentites?* sp. indet.**

HYPOTYPE YPM 20107

Gordon, M., Jr. 1975. U.S. Geol. Surv. Prof. Pap. n.848-D, tbl.3.

Mississippian, Amsden Fm, Horseshoe Shale Mbr. *Carlinia amsdeniana* Subzone of *Anthracospirifer welleri-shawi* Zone, 39-43 ft above base of Horseshoe, W side Wiggins Fork Canyon, Washakie Range, SW Sec7T42NR105W, Fremont Co., Wyoming, USA. Collector: Love, J.D., 1937.

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## Literature Cited

- Amsden, T.W.** 1949. Stratigraphy and paleontology of the Brownsport Formation (Silurian) of western Tennessee. *Bulletin of the Peabody Museum of Natural History* 5:1–138.
- Beecher, C.E.** 1891a. The development of a Paleozoic poriferous coral. *Transactions of the Connecticut Academy of Arts and Sciences* 8:207–214.
- 1891b. Symmetrical cell development in the Favositidae. *Transactions of the Connecticut Academy of Arts and Sciences* 8:215–219.
- 1903. Observations on the genus *Romengeria*. *American Journal of Science* 16:1–11.
- Bolton, T.E.** 1979. Some Late Ordovician colonial corals from eastern Canada. *In: Current Research, Part B, Geological Survey of Canada, Paper 79-1B:1–12.*
- Boucot, A.J., G.J.F. MacDonald, C. Milton and J.B. Thompson, Jr.** 1958. Metamorphosed Middle Paleozoic fossils from central Massachusetts, eastern Vermont, and western New Hampshire. *Bulletin of the Geological Society of America* 69:855–870.
- Buehler, E.J.** 1955. The morphology and taxonomy of the Halysitidae. *Bulletin of the Peabody Museum of Natural History* 8:1–79.
- Crickmay, C.H.** 1955. The Minnewanka Section of the Mississippian (Alberta). Calgary (Alberta, Canada): Crickmay, C.H. 16pp.
- Dixon, O.A.** 1986. The heliolitid coral *Acidolites* in Ordovician-Silurian rocks of eastern Canada. *Journal of Paleontology* 60(1):26–52.
- Dunbar, C.O.** 1918. Stratigraphy and correlation of the Devonian of western Tennessee. *American Journal of Science* 196:732–756.
- 1919. Stratigraphy and correlation of the Devonian of western Tennessee. *Bulletin of the Tennessee Geological Survey* 21:1–127.
- 1920. New species of Devonian fossils from western Tennessee. *Transactions of the Connecticut Academy of Arts and Sciences* 23:109–158.
- 1927. Pseudopercula in the tabulate coral *Favosites*. *American Journal of Science* 213:101–114.
- Elias, R.J.** 1982. Latest Ordovician solitary rugose corals of eastern North America. *Bulletins of American Paleontology* 81(314):1–116.
- Girty, G.H.** 1895a. A revision of the sponges and coelenterates of the Lower Helderberg Group of New York. *Fourteenth Annual Report of the New York State Geologist* 1894:259–309.
- 1895b. Development of the corallum in *Favosites forbesi*, var. *occidentalis*. *The American Geologist* 15(3):131–146.
- Gordon, M., Jr.** 1975. Brachiopoda of the Amsden Formation (Mississippian and Pennsylvanian) of Wyoming. U.S. Geological Survey Professional Paper 848-D:1–86.
- Grabau, A.W.** 1899. Moniloporidae, a new family of Paleozoic corals. *Proceedings of the Boston Society of Natural History* 28(16):409–424.
- [ICZN] International Commission on Zoological Nomenclature.** 1985. International code of zoological nomenclature / adopted by the XX International Union of Biological

- Sciences, W.L. Ride, C.W. Sabrosky, G. Bernardi and R.V. Melville (eds.). University of California Press: Berkeley, 1–338.
- Ilijina, T.G.** 1978. Revision of the genus *Anisophyllum* (Rugosa). *Paleontologicheskii Zhurnal* 3:31–37.
- MacLachlan, W.A., T.W. Bryant, E.D. Judkins, R.C. Koozmin, R.C. Orndorff, M.L. Hubert, C.R. Murdock, S.W. Starrat and J.R. Le Compte** (compilers). 1992. Stratigraphic nomenclature databases for the United States, its possessions and territories: Geologic Names Unit Lexicon (GNULLEX). Denver: U.S. Geological Survey. 1 CD-ROM.
- Miller, A.K. and W. Youngquist.** 1947. Ordovician fossils from the southwestern part of the Canadian Arctic Archipelago. *Journal of Paleontology* 21(1):1–18.
- Nelson, S.J.** 1960. Mississippian lithostrotionid zones of the southern Canadian Rocky Mountains. *Journal of Paleontology* 34(1):107–126.
- Northrop, S.A.** 1939. Paleontology and stratigraphy of the Silurian rocks of the Port Daniel-Black Cape region, Gaspé. *Geological Society of America Special Paper* 21:1–302.
- Pannella, G.** 1972. Paleontological evidence on the Earth's rotational history since early Precambrian. *Astrophysics and Space Science* 16:212–237.
- Parks, W.A.** 1933. New species of stromatoporoids, sponges, and corals from the Silurian strata of Baie des Chaleurs. University of Toronto Studies, Geological Series, No. 33:1–40.
- Robinson, W.I.** 1917. The relationship of the Tetracoralla to the Hexacoralla. *Transactions of the Connecticut Academy of Arts and Sciences* 21(2):145–200.
- Ross, C.A. and J.P. Ross.** 1962. Pennsylvanian, Permian rugose corals, Glass Mountains, west Texas. *Journal of Paleontology* 36(6):1163–1188.
- Ross, J.P. and C.A. Ross.** 1963. Late Paleozoic rugose corals, Glass Mountains, Texas. *Journal of Paleontology* 37(2):409–420.
- Shrock, R.R. and W.H. Twenhofel.** 1939. Silurian fossils from northern Newfoundland. *Journal of Paleontology* 13(3):241–266.
- Stephenson, L.W.** 1936. Geology and paleontology of the Georges Bank Canyons, Part 2: Upper Cretaceous fossils from Georges Bank (including species from Banqueroau, Nova Scotia). *Geological Society of America Bulletin* 47:367–410.
- Stumm, E.C.** 1952. Species of the Silurian rugose coral *Tryplasma* from North America. *Journal of Paleontology* 26(5):841–843.
- 1964. Silurian and Devonian corals of the Falls of the Ohio. *Geological Society of America Memoir* 93:1–184.
- Stumm, E.C., C.L. Fenton and M.A. Fenton.** 1947. Type invertebrate fossils of North America (Devonian), Part A: Tabulata, unit 1-E. Wagner Free Institute of Science, Cards 1-114.
- 1949. Type invertebrate fossils of North America (Devonian), Part B: Tabulata, unit 1-E. Wagner Free Institute of Science, Cards 115–260.
- 1950. Type invertebrate fossils of North America (Devonian), Part C: Tabulata, unit 1-E. Wagner Free Institute of Science, Cards 261–405.
- Sutherland, P.K.** 1965. Rugose Corals of the Henryhouse Formation (Silurian) in Oklahoma. *Oklahoma Geological Survey Bulletin* 109:1–92.
- Twenhofel, W.H.** 1926. Hunting fossils on Anticosti Island. *Natural History* 26(5):515–524.
- 1928. Geology of Anticosti Island. *Canada Geological Survey Memoir* 154:1–481.
- Watkins, J.L.** 1959. Middle Devonian auloporid corals from the Transverse Group of Michigan. *Journal of Paleontology* 33(5):739–808.
- Whitfield, R.P.** 1883. Observations on the fossils of the metamorphic rocks of Bernardston, Massachusetts. *American Journal of Science* 125:368–369.
- Young, G.A. and R.J. Elias.** 1995. Latest Ordovician to earliest Silurian colonial corals of the east-central United States. *Bulletins of American Paleontology* 108(347):1–148.



- 
- Young, G.A., D.-J. Lee and J.P.A. Noble.** 1991. Halysitid and auloporid tabulate corals from the Gascons and West Point Formations (Silurian), Gaspé, Québec, Canada. *Journal of Paleontology* 65(5):715–726.
- Young, G.A. and J.P.A. Noble.** 1987a. The Llandovery-Wenlock Syringoporidae from New Brunswick, Canada. *Journal of Paleontology* 61(2):268–283.
- 1987b. The Llandovery-Wenlock Halysitidae from New Brunswick, Canada. *Journal of Paleontology* 61(6):1125–1147.
- 1990a. Silurian Heliolitidae (Anthozoa, Tabulata) from the Chaleurs Bay Region, Canada. *Journal of Paleontology* 64(1):44–60.
- 1990b. Silurian Proporidae and Plasmoporidae (Anthozoa, Tabulata) from the Chaleurs Bay Region, Canada. *Journal of Paleontology* 64(2):184–199.
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- 1998a. A type catalog of fossil invertebrates (Echinodermata) in the Yale Peabody Museum. Postilla 215:1–31.
- 1998b. A type catalog of fossil invertebrates (Mollusca: Coleoidea, Monoplacophora and Scaphopoda) in the Yale Peabody Museum. Postilla 216:1–6.
- White, R.D., B.H. Horstman, K.F. McFadden and L.K. Skorina.** 1999. A type catalog of fossil invertebrates (Mollusca: Gastropoda) in the Yale Peabody Museum. Postilla 218:1–76.
- White, R.D. and B.S. Lieberman.** 1998. A type catalog of fossil invertebrates (Arthropoda: Trilobita) in the Yale Peabody Museum. Postilla 214:1–151.
- White, R.D. and L.K. Skorina.** 1999. A type catalog of fossil invertebrates (Mollusca: Actinoceratoidea, Bactritoidea, Endoceratoidea and Nautiloidea) in the Yale Peabody Museum. Postilla 219:1–37.
- 2000. A type catalog of fossil invertebrates (Mollusca: Ammonoidea) in the Yale Peabody Museum. Postilla 222:1–73.
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